Skywalker T.S.

CONSTRUCTION OF SPECIFIED ROADS

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(Timber Sale)

Timber Sale	Skywalker	Road No	7510000
Road Name	N/A	Length (Miles)	5.21

Item Number	· · · · ·	Method of			S	R.C Unit	
	Description	Meas.	Unit	Quantity		Price	Total
20103	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Mile	5.21	\$	769.08	\$ 4,006.91
20429	End Haul	CQ	Cubic Yard	461.78	\$	13.69	\$ 6,321.77
30304	Road reconditioning, ditch	CQ	Mile	2.60	\$	350.90	\$ 912.34
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	5.13	\$	711.91	\$ 3,652.10
60708	Cleaning culverts in place	AQ	Each	34.00	\$	80.36	\$ 2,732.24

SUB-TOTAL: \$

17,625.36

TOTAL ALL ROADS: \$

(Timber Sale)

Timber Sale	Skywalker	Road No.	7510100
Road Name	N/A	Length (Miles)	1.91

Item Number		Method of	-		5	S.R.C Unit		
	Description	Meas.	Unit	Quantity		Price	_	Total
15101								
	Mobilization	AQ	Lump Sum	1.00	\$	1,027.32	69	1,027.32
15219	Establish clearing limits	CQ	Mile	1.91	\$	628.79	\$	1,200.99
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	cq	Acre	4.85	\$	1,601.63	\$	7,767.91
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	1,111.00	\$	2.25	\$	2,499.75
20420	Drainage excavation, type Drain Dip	AQ	Each	15.00	\$	90.29	\$	1,354.35
20429	End Haul	CQ	Cubic Yard	1,111.00	\$	10.25	\$	11,387.75
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	1.91	\$	670.54	\$	1,280.73
60201b	24 inch pipe culvert, furnish and install	AQ	Foot	50.00	\$	60.32	\$	3,016.00

SUB-TOTAL: \$ 29,534.80

TOTAL ALL ROADS: \$ 190,050.24

(Timber Sale)

Timber Sale	Skywalker	Road No.	7510180
Road Name	N/A	Length (Miles)	0.61

Item Number	, , , , , , , , , , , , , , , , , , ,	Method of			S	R.C Unit	
	Description	Meas.	Unit	Quantity		Price	Total
15219	Establish clearing limits	CQ	Mile	0.61	\$	984.41	\$ 600.49
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	cq	Acre	1.48	\$	2,913.73	\$ 3,992.89
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	56.07	\$	2.22	\$ 124.48
20429							
	End Haul	CQ	Cubic Yard	40.00	\$ \$	9.39	\$ 375.60
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	0.61	\$	2,158.52	\$ 1,316.70

SUB-TOTAL: \$

6,410.16

TOTAL ALL ROADS: \$

(Timber Sale)

Timber Sale	Skywalker	Road No.	7510200
Road Name	N/A	Length (Miles)	0.9

Item Number		Method of			5	R.C Unit	
•	Description	Meas.	Unit	Quantity		Price	Total
15101							
	Mobilization	AQ	Lump Sum	1.00	\$	3,459.97	\$ 3,459.97
15219	Establish clearing limits	CQ	Mile	0.90			
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Acre	2.24	\$	1,601.63	\$ 3,587.65
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	171.00	\$	2.22	\$ 379.62
20420	Drainage excavation, type Drain Dip	AQ	Each	7.00	\$	90.29	\$ 632.03
20429	End Haul	CQ	Cubic Yard	171.00	\$	5.06	\$ 865.26
25102	Placed riprap, class 4	AQ	Ton	45.00	\$	11.09	\$ 499.05
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	0.90	\$	984.82	\$ 886.34

SUB-TOTAL: \$

10,309.92

TOTAL ALL ROADS: \$

(Timber Sale)

Timber Sale	Skywalker	Road No.	7510270
Road Name	N/A	Length (Miles)	0.62

Item Number		Method of			5	S.R.C Unit		
	Description	Meas.	Unit	Quantity		Price		Total
15101								
	Mobilization	AQ	Lump Sum	1.00	\$\$	241.48	\$	241.48
15219	Establish clearing limits	CQ	Mile	0.62	\$\$	968.53	\$	600.49
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	cq	Acre	1.53	\$	1,601.63	\$.	2,450.49
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	76.00	\$	2.22	\$	169.54
20429	End Haul	CQ	Cubic Yard	67.00	\$	6.21	\$	416.07
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	. 0.62	\$	984.82	\$	610.59

SUB-TOTAL: \$

4,488.66

TOTAL ALL ROADS: \$

(Timber Sale)

Timber Sale	Skywalker	Road No.	7510300
Road Name	N/A	Length (Miles)	1.14

ltem Number	·	Method of	,	•	Ş.	.R.Ç Unit	
	Description	Meas.	Unit	Quantity		Price	Total
15101							
	Mobilization	AQ	Lump Sum	1.00	\$	445.03	\$ 445.03
15219	Establish clearing limits	CQ	Mile	1.14	\$	526.75	\$ 600.50
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	cq	Acre	2.84	\$	1,601.63	\$ 4,548.63
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	1,876.00	\$	2.22	\$ 4,164.72
20429	End Haul	CQ	Cubic Yard	1,876.00	\$	7.93	\$ 14,876.68
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	1.14	\$	984.82	\$ 1,122.69

SUB-TOTAL: \$ 25,758.25

TOTAL ALL ROADS: \$ 190,050.24

Timber Sale	Skywalker	Road No.	7702000
		Land (Miles)	0.0
Road Name	. N/A	Length (Miles)	0.9

Item Number	Description	Method of Meas.	Unit	Quantity	· (Jnit Price	Total
15101	Mobilization	AQ	Lump Sum	1,00	\$	1,755.67	\$ 1,755.67
15219	Establish clearing limits	CQ	Mile	0.90	\$	667.21	\$ 600.49
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Асге	2.20	\$	1,729.76	\$ 3,805.47
20401	Roadway excavation, compaction method C, finishing method C	CQ	Cubic Yard	10.44	\$	2.40	\$ 25.06
20419	Drainage excavation, type roadside ditch	CQ	Foot	199.00	\$	0.88	\$ 175.12
20420	Drainage excavation, type Drain Dip	AQ	Each	7.00	\$	97.51	\$ 682.57
20420(a)	Drainage excavation, type Catch Basin	AQ	Each	2.00	\$	475.70	\$ 951.40
30318	Road reconditioning, roadbed, compaction method (d)	ĊQ	Mile	0.90	\$	1,122.69	\$ 1,010.42
60201a	18 inch pipe culvert, furnish and install	AQ	Foot	50.00	\$	51.73	\$ 2,586.50
60201b	24 inch pipe culvert, furnish and install	AQ	Foot	30.00	\$	65.99	\$ 1,979.70
60202	57 inch X 38 inch culvert, furnish and install	AQ	Foot	60.00	\$	148.31	\$ 8,898.60

SUB-TOTAL: \$

22,471.00

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No.	7703000
Road Name	N/A	Length (Miles)	0.56

Item Number	Description	Method of Meas.	Unit	Quantity	_ (Unit Price	Total
15101	Mobilization	AQ	Lump Sum	1.00	\$	875.34	\$ 875.34
15219	Establish clearing limits	CQ	Mile	0.56	\$	1,072.30	\$ 600.49
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Acre	1.35	\$	1,729.76	\$ 2,335.18
	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	0.56	\$	1,122.69	\$ 628.71

SUB-TOTAL: \$

4,439.72

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No.	7704000
Road Name	N/A	Length (Miles)	3.28

Item Number		Method of					
ļ	Description	Meas.	Unit	Quantity	L	Init Price	Total
20103	Clearing and grubbing, disposal of tops and limbs						- -
	F, logs F, stumps F	CQ	Mile	3.28	\$	830.61	\$ 2,724.40
30304	Road reconditioning, ditch	CQ	Mile	1.49	\$	400.03	\$ 596.04
30318	Road reconditioning, roadbed, compaction method	1					
	(d)	CQ	Mile	3.28	\$	811.58	\$ 2,661.98
60708	Cleaning culverts in place	AQ	Each	21.00	\$	91.61	\$ 1,923.81

SUB-TOTAL: \$

7,906.23

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No.	7704800
Road Name	N/A	Length (Miles)	2,07

item Number	Description	Method of Meas.	Unit	Quantity	ı	Unit Price	Total
15101		1					
13101	Mobilization	AQ	Lump Sum	1.00	\$	2,823.03	\$ 2,823.03
15219	Establish clearing limits	CQ	Mile	2.07	\$	580.18	\$ 1,200.97
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Acre	5.32	\$	1,729.76	\$ 9,202.32
20401	Roadway excavation, compaction method C, finishing method C	CQ	Cubic Yard	678.00	\$	2.40	\$ 1,627.20
20420	Drainage excavation, type Drain Dip	AQ	Each	15.00	\$	97.51	\$ 1,462.65
20420(a)	Drainage excavation, type Catch Basin	AQ	Each	2.00	\$	475.70	\$ 951.40
20429	End Haul	CQ	Cubic Yard	678.00	\$	20.05	\$ 13,593.90
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	2.07	\$	764.41	\$ 1,582.33
60201b	24 inch pipe culvert, furnish and install	AQ	Foot	. 72.00	\$	66. 4 4	\$ 4,783.68

SUB-TOTAL: \$

37,227.48

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No	7800112
Road Name	N/A	Length (Miles)	0.47

ltem Number		Method of					
	Description	Meas.	Unit	Quantity	i	Jnit Price	Total
15101						,	
	Mobilization	AQ	Lump Sum	1.00	\$	1,205.91	\$ 1,205.91
15219	Establish clearing limits	CQ	Mile	0.47	\$	1,277.63	\$ 600.49
20104	Clearing and grubbing, disposal of tops and limbs						
}	F, logs F, stumps F	CQ	Acre	1.02	\$	1,729.76	\$ 1,764.36
20420	Drainage excavation, type Drain Dip	AQ	Each	4.00	\$	97.51	\$ 390.04
30318	Road reconditioning, roadbed, compaction method						
	(d)	CQ	Mile	0.47	\$	1,122.69	\$ 527.66

SUB-TOTAL: \$

4,488.46

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No	7800900
Road Name	N/A	Length (Miles)	0.52

Item Number		Method of					
	Description	Meas.	Unit	Quantity	Į	Jnit Price	Total
15101							
	Mobilization	AQ	Lump Sum	1.00	\$	1,338.21	\$ 1,338.21
15219	Establish clearing limits	ÇQ	Mile	0.52	\$	1,154.79	\$ 600.49
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Acre	1.33	\$	1,729.76	\$ 2,300.58
20401	Roadway excavation, compaction method C, finishing method C	CQ	Cubic Yard	35.93	\$	2.40	\$ 86.23
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	0.52	\$	1,122.69	\$ 583.80
60708	Cleaning culverts in place	AQ	Each	1.00	\$	91.61	\$ 91.61

SUB-TOTAL: \$

5,000.92

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No.	7800910
Road Name	N/A	Length (Miles)	0.36

Item Number		Method of Meas.	Unit	Quantity		Unit Price	Total
	Description	ivieas.	Othic	Quantity	,	JIIILLIICE	TOLOI
15219	Establish clearing limits	CQ	Mile	0.36	\$	1,668.03	\$ 600.49
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Асте	0.88	\$	1,729.76	\$ 1,522.19
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	25.93	\$	2.40	\$ 62.23
20420	Drainage excavation, type Drain Dip	AQ	Each	4.00	\$	68.25	\$ 273.00
30318	Road reconditioning, roadbed, compaction method						
	(d) .	CQ	Mile	0.36	\$	1,122.69	\$ 404.17

SUB-TOTAL: \$

2,862.08

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No.	7803600
Road Name	N/A	Length (Miles)	4.25

Item Number		Method of						
	Description	Meas.	Unit	Quantity		Unit Price		Total
15101	-		· ·					
	Mobilization	AQ	Lump Sum	1.00	\$	1,845.35	\$	1,845.35
15219	Establish clearing limits	CQ	Mile	2.38	\$	504.61	\$	1,200.97
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Acre	5.79	6	1,205.12	e	6,977.64
					4		φ_	
20420	Drainage excavation, type Drain Dip	AQ	Each	31.00	\$	97.51	\$	3,022.81
30318	Road reconditioning, roadbed, compaction method							
	(d)	CQ	Mile	4.20	\$	1,122.69	\$	4,715.30

SUB-TOTAL: \$

17,762.07

TOTAL ALL ROADS: \$

Timber Sale	Skywalker	Road No.	7803636
Road Name	N/A	Length (Miles)	0.4

Item Number		Method of			_		
	Description	Meas.	Unit	Quantity	Į	Jnit Price	Total
15219	Establish clearing limits	CQ	Mile	0.40	\$	1,501.23	\$ 600.49
	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	CQ	Acre	0.99	\$	876.45	\$ 867.69
20401	Roadway excavation, compaction method C, finishing method A	CQ	Cubic Yard	2.07	\$	2.40	\$ 4.97
20420	Drainage excavation, type Drain Dip	AQ	Each	3.00	\$	68.25	\$ 204.75
1	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	0.32	\$	1,122.69	\$ 359.26

SUB-TOTAL: \$

2,037.16

TOTAL ALL ROADS: \$

ROAD NUMBER

SKYWALKER T.S.		7510	7510	7510	7510	7510	7510
SECTION NO. & TITLE	REV DATE	000	100	180	-200	270	300
101 - Terms, Format, and Definitions	TILL BYTTE		190	25.01.20.000		**************************************	
101 00 FLH FP-03 Corrections	7/25/2005	Х	Χ.	X	X	Х	Х
101 01 Meaning of Terms	1/22/2009	χ	X	X	X	X	X
101 03 Abbreviations and Symbols	6/16/2006		X	X	X	Х	X
101 04 Symbols	3/29/2007	X	$\frac{\lambda}{X}$	X	X	X	X
101 04 Definitions	11/6/2007	X	X	X	X	X	X
102 - Bid, Award, and Execution of Contract	11/0/2007		- ^-	1.13414	- ^		$\overline{}$
102 00 Delete 102 in its entirety	2/16/2005	Х	Х	X	Х	х	X
103 - Scope of Work	2/10/2003	Λ		100 100 100 100 100 100 100 100 100 100	 ^	organian hains	
103 00 Intent of Contract	2/16/2005	Х	X	Х	Х	Х	X
104 - Control of Work	2/10/2005	Δ	 ^	A			-^- -
104 - Control of Work 104 00 Deletions to 104	6/16/2006	X	Х	X	Х	X	Х
	2/22/2005		X		X	X	$\frac{\hat{x}}{x}$
104 03 Specifications and Drawings		A fore an a farming high half and and	X	X		X	
104 03 Specifications and Drawings.	1/22/2009		1	**************************************	X	.707.00.00.00.70.77.17.7	X
104 03 Specifications and Drawings	2/22/2005		X	X	X	Х	X
104 06 Use of Roads by Contractor	2/17/2005	COLUMN DE SECURE CONTRA	X	X	X	X	Х
104 07 Other Contracts	2/17/2005	Χ	X	X	X	X	Х
105 - Control of Material	0/4=1000=	111111111111111111111111111111111111111					
105 02 Material Sources	2/17/2005		X	X	X	X	Х
105 02 Material Sources	1/18/2007	Χ	Х	X	Х	X	Χ
Use of Material Found in the		7					
105 05 Work	5/12/2004	X	X	X	X	Х	Х
106 - Acceptance of Work				334131313131313		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Conformity with Contract				***********		Maria 11 10 10 10 10 10 10 10 10 10 10 10 10	
106 01 Requirements	7/31/2007		X	X	X	X	Х
106 07 Partial and Final Acceptance	5/11/2004	X	X	X	Х	Х	Х
107 - Legal Relations and Responsibility to the I	Public						
Responsibility for Damage							
107 05 Claims	5/11/2004	Х	X	X	X	X	Х
Contractor Responsibility for							
107 06 Work	6/16/2006		X	X	X	Χ	Х
107 08 Sanitation, Health & Safety	3/29/2005	Х	Х	X	Х	X	Х
				12071777			
107 09 Legal Relationship of the Parties	6/16/2006	X	X	X	X	X	Х
Protection of Forests, Parks,				5.00		1 mar 1 may 1 mg 1 m	
107 11 and Public Lands	2/17/2005	X	Х	X	X	X	Х
108 - Prosecution and Progress		100 pt 10		0.0000000000000000000000000000000000000	4	The state of the s	
108 00 Delete Section 108 in entirety	2/16/2005	Х	X	Х	Х	X	Х
109 - Measurement and Payment				700 - 100 -			
109 00 Deletions	2/17/2005	Х	Х	X	Χ,	X	Х
Measurement Terms and		/American		And the first state of the stat		11.754.754	
109 02 Definitions	6/16/2006	X	X	X	X	X	Х
151 - Mobilization	2005		Х	100 100 100 100 100 100 100 100 100 100	Х	X	Х
152 - Construction Survey and Staking	2005		Х	X	Х	X	Х
155 - Schedules for Construction Contracts	2005			1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		A CONTRACTOR OF THE PROPERTY O	
Contractor Quality Control Plan,		A STANDARD AND A STAN		The second secon			
155 00 Records	5/11/2004	X	x	Х	Х	X	Х
170 - Develop Water Supply and Watering	0.1112007					A Company of the Comp	 ^`
170 00 Complete Specification	3/30/2005	MA CAMP WIT - CONTROL OF CONTROL		A STATE OF THE PARTY OF T		American Company Compa	
201 - Clearing and Grubbing	2005		х	X	Х	Francisco Maria	Х
201 01 Description	2/18/2005		X	X	 x	X	X
ZUTUT Description	2/10/2000	[::::::		meise A	1 ^		_ ^

FOREST SERVICE SUPPLEMENTAL SPECIFICATIONS LIST

		ROAD NUMBER							
SKYWALKER T.S.		7510	7510	7510	7510	7510	7510		
SECTION NO. & TITLE	REV DATE	000	100	180	200	270	300		
201 04 Clearing	2/22/2005	X	X	Х	X	X	X		
201 04 Clearing	3/3/2005	Χ	X	Х	X	X	X		
201 06 Disposal	2/18/2005	Χ	X	Х	X	Х	X		
201 06 Disposal	11/9/2005	X	X	Χ	X	Х	X		
203 - Removal of Structures and Obstructions	2005	X	X	X	X	X	X		
203 01 Description	2/25/2005	X	X	X	X	Χ	X		
203 05 Disposing of Material	2/24/2005	X	X X	X	$\frac{\hat{x}}{x}$	Χ	X.		
203 05 Disposing of Material	2/18/2005	X	X	X	X	X	X		
203 05 Disposing of Material	2/18/2005	X	X	X	X	X	X		
203 08 Payment	2/24/2005	X	X	X	X	X	$\frac{\hat{x}}{\hat{x}}$		
204 - Excavation and Embankment	2005	X	Х	X	X	X	X		
204 00 Complete Specification	3/26/2009	X	X	X	X	X	Х		
204 06 Roadway Excavation	3/2/2005		Х	Х	Х	X	X		
204 06 Roadway Excavation	3/2/2005	X	Х	Х	Х	X	Х		
Preparing Foundation for									
204 09 Embankment Construction	3/2/2005		X	X	Х	Х	Х		
204 10 Embankment Construction	3/2/2005		Х	Х	Х	Х	Х		
204 11 Compaction	4/11/2005	Х	Х	X	Х	Х	X		
204 13 Sloping, Shaping, and Finishin	g 3/2/2005	Χ	Х	X	х	X	Х		
204 13 Sloping, Shaping, and Finishin	3/2/2005	X	х	X	Х	Χ	Х		
Disposal of Unsuitable or									
204 14 Excess Material	3/2/2005		Х	X	Х	X	Х		
204 15 Acceptance	2/7/2007	X	Х	X	X	X	Х		
209 - Structure Excavation and Backfill	2005		<u> </u> -	Х	-		-		
209 10 Backfill	10/23/2007		-	X	j -		-		
209 11 Compacting	2/24/2005		-	X	-				
251 - Riprap	2005			1.52.1.2.1	X				
303 - Road Reconditioning	2005		Х	X	Х	X	Х		
303 01 Description	3/2/2005	Х	Х	X	Х	X	Х		
Aggregate & Asphalt Surface		WAY							
303 06 Reconditioning	8/5/2008	X	Х	X	Х	X	Х		
303 07 Roadway Reconditioning	3/2/2005	X	Х	X	Х	X	Х		
303 11 Measurement	3/29/2005	X	X	Х	Х	Χ	Х		
602 - Culverts and Drains	2005	201 - 179 - 101 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		X					
607 - Cleaning, Reconditioning, and		your residence of a state of the							
Repairing Existing Drainage Structures	2005		Х	1011 2011 1011		Allera Verial Se			
607 04 Cleaning Culverts in Place	3/2/2005	Χ	Х	7		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
635 - Temporary Traffic Control				V		And a second sec			
635 03 General	5/13/2004	Х	Х	Χ	Х	X	Х		
705 - Rock				100 may 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1	:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
705 02 Riprap Rock	8/5/2009			7.4.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7	Х	The state of the s			
718 - Traffic Signing and Marking Material				7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					
718 05 Aluminum Panels	8/5/2009	X	Х	X	Х	X	Х		

TIONS L	IST			
	ROAD N	UMBER		
7703	7704	7704	7800	7800
000	000	800	112	900
Х	Х	Х	Х	Х
X X X X	X	X X X X	Х	X X X X
X	X	Х	X	Х
Х	X	Χ	M 1/4 / 1/4	Х
Х	X.	Х	X	Х
•			100 100 100 100 100 100 100 100 100 100	
Х	- X	Χ	X	Х
	77		7. 5	
Х	X	Х	Χ	X
Х	X	Х	X	Х
Х	Х	Х	X	Х
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SKYWALKER T.S.		7702	7703	7704	7704	7800	7800	
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101 - Terms, Format, and Definitions	INLV DATE		000	000	- 000	116	300	
101 00 FLH FP-03 Corrections	7/25/2005	X	Х	X	Х	Х	Х	
101 01 Meaning of Terms	1/22/2009		X	X	x	X	X	
101 03 Abbreviations and Symbols	6/16/2006		 x	X	x	X	X	
101 03 Abbreviations and Symbols	3/29/2007		X	X	X	X	X	
101 04 Symbols	11/6/2007		x	- X	- x	X	X	
102 - Bid, Award, and Execution of Contract	11/0/2007	Λ	 ^ -			^		
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102 00 Delete 102 in its entirety	2/10/2005	Х	^		 ^	X	^	
103 - Scope of Work 103 00 Intent of Contract	2/16/2005	Χ	Х	Χ	Х	Х	Х	
104 - Control of Work	2/16/2005		^	fra A tulá	_ ^	Che Again	^_	
104 00 Deletions to 104	6/46/2006	V	- V	Х	- V	- 'V'		
	6/16/2006		X		X	X	X	
104 03 Specifications and Drawings	2/22/2005			Χ		X	X	
104 03 Specifications and Drawings.	1/22/2009		Х	X	X	X		
104 03 Specifications and Drawings	2/22/2005		X	Х	X	Х	X	
104 06 Use of Roads by Contractor	2/17/2005		X	X	Х	Х	Х	
104 07 Other Contracts	2/17/2005	X	X	X	Х	X	Х	
105 - Control of Material	0147/0005				1			
105 02 Material Sources	2/17/2005		X	Х	X	X	X	
105 02 Material Sources	1/18/2007	X	X	X	Х	X	Х	
Use of Material Found in the			l					
105 05 Work	5/12/2004	X	X	X	X	X	Х	
106 - Acceptance of Work		diameter in		gravia i				
Conformity with Contract								
106 01 Requirements	7/31/2007		X	X	Х	X	X	
106 07 Partial and Final Acceptance	5/11/2004	X	Х	Χ	Х	Х	Х	
107 - Legal Relations and Responsibility to the I	Public					AVESTO S		
Responsibility for Damage								
107 05 Claims	5/11/2004	X	Х	X	Х	Χ	Х	
Contractor Responsibility for			-			12, 120, 111, 111, 110, 110, 110, 110, 1		
107 06 Work	6/16/2006		X	X	X	X	X	
107 08 Sanitation, Health & Safety	3/29/2005	X	Х	X	Х	Χ	X	
107 09 Legal Relationship of the Parties	6/16/2006	X	Х	X	Х	Χ	Х	
Protection of Forests, Parks,				77.7577.27.25		23.47	·	
107 11 and Public Lands	2/17/2005	i X	Х	X	Х	X	Х	
108 - Prosecution and Progress						The state of the s		
108 00 Delete Section 108 in entirety	2/16/2005	X	Х	X	. X_	X	Х	
109 - Measurement and Payment			2	The second secon		10 10 10 10 10 10 10 10 10 10 10 10 10 1		
109 00 Deletions	2/17/2005	X	Х	X	Х	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X	
Measurement Terms and		775 Y 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7						
109 02 Definitions	6/16/2006		Х	X	X	- X	Х	
151 - Mobilization	2005	X	X		Х	X	Х	
152 - Construction Survey and Staking	2005		X		Х		Х	
155 - Schedules for Construction Contracts	2005					71 777 100 700 700 700 700 700 700 700 7		
Contractor Quality Control Plan,			Ť.	The second secon				
155 00 Records	5/11/2004	l X	X	X	Х	X	Х	
170 - Develop Water Supply and Watering		2.42.20.20.20.20.20.20.20.20.20.20.20.20.20	Š	27.7 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		7. N		
170 00 Complete Specification	3/30/2005			A Part Control of the		127111111111111111111111111111111111111		
201 - Clearing and Grubbing	2005		Х	X	Х	3X	Х	
201 01 Description	2/18/2005		X	X	X	X	Х	

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201 04 Clearing	3/3/2005	X	X	X	X	X	X		
201 04 Clearing				X	X	X	X		
201 06 Disposal	2/18/2005	X	X		X		X		
201 06 Disposal	11/9/2005	X		X		X	<u> </u>		
203 - Removal of Structures and Obstructions	2005	Х	Х	Х	Х	X			
203 01 Description	2/25/2005	Х	X	Х	X	Х	Х		
203 05 Disposing of Material	2/24/2005	Х	Х	X	Х	. X	Х		
203 05 Disposing of Material	2/18/2005	- X	Х	X	Х	Х	X		
203 05 Disposing of Material	2/18/2005	Χ	X	X	Х	Χ	Х		
203 08 Payment	2/24/2005	X	Х	X	Х	X	Х		
204 - Excavation and Embankment	2005	X		X	Х	X	X		
204 00 Complete Specification	3/26/2009	X	-	X	Х	X	Х		
204 06 Roadway Excavation	3/2/2005	Х	-	X	Х	X	X		
204 06 Roadway Excavation	3/2/2005	X	-	Х	Х	Х	Х		
Preparing Foundation for						Maria Maria de la compansión de la compa			
204 09 Embankment Construction	3/2/2005	l x		X	X	X	Х		
204 10 Embankment Construction	3/2/2005		_	X	Х	Х	Х		
204 11 Compaction	4/11/2005		-	X	Х	- X	Х		
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204 13 Sloping, Shaping, and Finishing	3/2/2005	X	-	X	х	X	Х		
204 42 Claring Charing and Finishing	0/0/0005				.,		V		
204 13 Sloping, Shaping, and Finishing	3/2/2005	X	-	X	X	X	Х		
Disposal of Unsuitable or	0 (0 (0 0 0 0				ļ	101010012012			
204 14 Excess Material	3/2/2005			X	X	X	Х		
204 15 Acceptance	2/7/2007	X		X	Х	X	Х		
209 - Structure Excavation and Backfill	2005		-		Х		-		
209 10 Backfill	10/23/2007	Х	-		Х	10000	٠ -		
209 11 Compacting	2/24/2005	7(, 111(1)			Х		-		
251 - Riprap	2005	A AND CONTRACTOR OF THE PARTY OF THE							
303 - Road Reconditioning	2005		Х	X	Х	X	Х		
303 01 Description	3/2/2005	Х	Х	Х	Х	Х	Х		
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303 06 Reconditioning	8/5/2008	X	Х	X	X	X	Х		
303 07 Roadway Reconditioning	3/2/2005	X	Х	X	Х	X	Х		
303 11 Measurement	3/29/2005	Х	Х	X	X	Х	Х		
602 - Culverts and Drains	2005				Х	777			
607 - Cleaning, Reconditioning, and			20 (10 (10 (10 (10 (10 (10 (10 (10 (10 (1	The second secon		The state of the s			
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607 04 Cleaning Culverts in Place	3/2/2005		3			77.77.77			
635 - Temporary Traffic Control		1774			3				
635 03 General	5/13/2004	X	Х	X	Х	X	Х		
705 - Rock	<u> </u>	V	<u> </u>	1.00	2.				
705 02 Riprap Rock	8/5/2009			1500 1100 5000	7	The second secon	F		
718 - Traffic Signing and Marking Material	1	Water State of the			3		1		
718 05 Aluminum Panels	8/5/2009	X-1	X	X	X	X	Х		
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101 - Terms, Format, and Definitions						
101 00 FLH FP-03 Corrections	7/25/2005	X	Х	X		
101 01 Meaning of Terms	1/22/2009	X	Х	Х		
101 03 Abbreviations and Symbols	6/16/2006	X	Х	X		1
101 04 Symbols	3/29/2007	Х	Х	X		
101 04 Definitions	11/6/2007	X	Х	Marian X		
102 - Bid, Award, and Execution of Contract						
102 00 Delete 102 in its entirety	2/16/2005	Χ	Х	Х		
103 - Scope of Work				Addition to the second		
103 00 Intent of Contract	2/16/2005	X	X	Х		
104 - Control of Work			<u> </u>			
104 00 Deletions to 104	6/16/2006	Х	X	X		
104 03 Specifications and Drawings	2/22/2005	Х	Х	X		
104 03 Specifications and Drawings.	1/22/2009	- X	Х	X		
104 03 Specifications and Drawings	2/22/2005		Х	Х		
104 06 Use of Roads by Contractor	2/17/2005		Х	Х		
104 07 Other Contracts	2/17/2005	X	Х	Х		
105 - Control of Material		//		THE RESERVE AND A CONTROL OF THE PROPERTY OF T		
105 02 Material Sources	2/17/2005		Х	X		
105 02 Material Sources	1/18/2007	Х	Х	Х		
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105 05 Work	5/12/2004	X	Х	Х		
106 - Acceptance of Work				1000 1000 1000 1000		
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106 01 Requirements	7/31/2007	Χ	X	X		
106 07 Partial and Final Acceptance	5/11/2004	Х	Х	X		ļ.
107 - Legal Relations and Responsibility to the F	ublic	(1.74)				
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107 05 Claims	5/11/2004	X	X	X		
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107 06 Work	6/16/2006		X	X		
107 08 Sanitation, Health & Safety	3/29/2005	Х	Х	X		
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107 09 Legal Relationship of the Parties	6/16/2006	X	Х	X		_
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107 11 and Public Lands	2/17/2005	X	Х	X		
108 - Prosecution and Progress 108 00 Delete Section 108 in entirety	0/40/0005			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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109 - Measurement and Payment 109 00 Deletions	0/47/0005		V			_
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109 02 Definitions	6/16/2006		\ _V	Abelian field and American and		
151 - Mobilization	2005	of of decised entires	X			_
152 - Construction Survey and Staking	2005		X	X		
155 - Schedules for Construction Contracts	2005	AND ADDRESS OF THE PARTY OF THE	 ^	The second secon	 	
Contractor Quality Control Plan,	2000			C San Change of the Control of the C		
155 00 Records	E/11/2004		v	X		
170 - Develop Water Supply and Watering	5/11/2004	X	X	A Commission of the Commission		
170 - Develop Water Supply and Watering 170 00 Complete Specification	3/30/2005	A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		A CONTRACTOR OF THE CONTRACTOR	$\overline{}$	
201 - Clearing and Grubbing	3/30/2005 2005		- v			-
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201 04 Clearing	2/22/2005	X	Х	X		<u> </u>	
201 04 Clearing	3/3/2005	Χ	Х	X		<u> </u>	
201 06 Disposal	2/18/2005	X	X	Х			
201 06 Disposal	11/9/2005	Х	Х	Х			
203 - Removal of Structures and Obstructions	2005	X	Х	X			
203 01 Description	2/25/2005	Χ	Х	Χ			
203 05 Disposing of Material	2/24/2005	Χ	Х	X			
203 05 Disposing of Material	2/18/2005		X	Х			
203 05 Disposing of Material	2/18/2005	Χ	Х	X			
203 08 Payment	2/24/2005	Χ	Х	Х		1	
204 - Excavation and Embankment	2005	X	Х	X			
204 00 Complete Specification	3/26/2009	X	Х	X			
204 06 Roadway Excavation	3/2/2005	Х	Х	X		<u> </u>	
204 06 Roadway Excavation	3/2/2005	X	Х	X			
Preparing Foundation for						† · · -	
204 09 Embankment Construction	3/2/2005	X	Х	X			
204 10 Embankment Construction	3/2/2005		X	Х		1	
204 11 Compaction	4/11/2005		Х	Х			
<u> </u>				70340744698		 	
204 13 Sloping, Shaping, and Finishing	3/2/2005	X	x	X			
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204 13 Sloping, Shaping, and Finishing	3/2/2005	X	х	X			
Disposal of Unsuitable or	0,2,2000					 	
204 14 Excess Material	3/2/2005	X	х	X			
204 15 Acceptance	2/7/2007	X	X	X	<u> </u>		-
209 - Structure Excavation and Backfill	2005	marka da Saraha da Araba Marka da Saraha da Araba Marka da Saraha da Araba				 	
209 10 Backfill	10/23/2007	on o ganongania Galama ≢alama	_			 	1
209 11 Compacting	2/24/2005	V				┼──	-
251 - Riprap	2005		-			\vdash	
303 - Road Reconditioning	2005		Х	Х		 	
303 01 Description	3/2/2005		X	X		╄──	
Aggregate & Asphalt Surface	3/2/2003	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	 ^	Table AND STREET	<u> </u>	+	
303 06 Reconditioning	8/5/2008	X	v	X			
303 07 Roadway Reconditioning	3/2/2005		X	X		+	
303 11 Measurement	3/29/2005		X	X		+	
602 - Culverts and Drains	2005	**************************************		100000000000000000000000000000000000000		┼──	
	2005			**************************************		 	
607 - Cleaning, Reconditioning, and				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>	1	
Repairing Existing Drainage Structures	2005			7.11.2.19.2.19		<u> </u>	
607 04 Cleaning Culverts in Place	3/2/2005	10000000000000000000000000000000000000		W. Street Co. Communication of the Communication of			
635 - Temporary Traffic Control							
635 03 General	5/13/2004	X	Х	Х			
705 - Rock							
705 02 Riprap Rock	8/5/2009	111111111111111111111111111111111111111					
718 - Traffic Signing and Marking Material		**************************************					
718 05 Aluminum Panels	8/5/2009	X	Х	X			

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Preface

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Delete all but the first paragraph and add the following:

The Forest Service, US Department of Agriculture has adopted FP-03 for construction of National Forest System Roads.

101 - Terms, Format, and Definitions

101.00 nat us 07 25 2005

101.01 nat us_01_22_2009

101.01 Meaning of Terms

Delete all references to the TAR (Transportation Acquisition Regulations) in the specifications.

101.03 nat us 06 16 2006

101.03 Abbreviations.

Add the following to (a) Acronyms:

AFPA	American Forest and Paper Association
MSHA	Mine Safety and Health Administration
NIST	National Institute of Standards and Technology
NESC	National Electrical Safety Code
WCLIB	West Coast Lumber Inspection Bureau

Add the following to (b) SI symbols:

mp	Milepost
ppm	Part Per Million

101.04_nat_us_03_29_2007

101.04 Definitions.

Delete the following definitions and substitute the following:

Bid Schedule--The Schedule of Items.

Bridge--No definition.

Contractor--The individual or legal entity contracting with the Government for performance of prescribed work. In a timber sale contract, the contractor is the "purchaser".

Culvert--No definition.

Right-of-Way-A general term denoting (1) the privilege to pass over land in some particular line (including easement, lease, permit, or license to occupy, use, or traverse public or private lands), or (2) Real property necessary for the project, including roadway, buffer areas, access, and drainage areas.

Add the following:

Adjustment in Contract Price--"Equitable adjustment," as used in the Federal Acquisition Regulations, or "construction cost adjustment," as used in the Timber Sale Contract, as applicable.

Change-"Change" means "change order" as used in the Federal Acquisition Regulations, or "design change" as used in the Timber Sale Contract.

Design Quantity--"Design quantity" is a Forest Service method of measurement from the FS-96 Forest Service Specifications for the Construction of Roads and Bridges. Under these FP specifications this term is replaced by the term "Contract Quantities".

Forest Service--The United States of America, acting through the Forest Service, U.S. Department of Agriculture.

Neat Line--A line defining the proposed or specified limits of an excavation or structure.

Pioneer Road--Temporary construction access built along the route of the project.

Purchaser--The individual, partnership, joint venture, or corporation contracting with the Government under the terms of a Timber Sale Contract and acting independently or through agents, employees, or subcontractors.

Protected Streamcourse--A drainage shown on the plans or timber sale area map that requires designated mitigation measures.

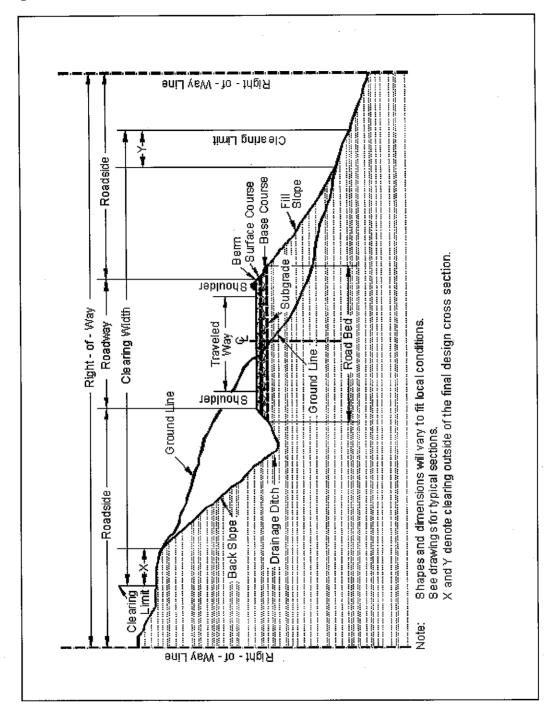
Road Order—An order affecting and controlling traffic on roads under Forest Service jurisdiction. Road Orders are issued by a designated Forest Officer under the authorities of 36 CFR, part 260.

Schedule of Items--A schedule in the contract that contains a listing and description of construction items, quantities, units of measure, unit price, and amount.

Utilization Standards--The minimum size and percent soundness of trees described in the specifications to determine merchantable timber.

Add Figure 101-1—Illustration of road structure terms:

Figure 101-1—Illustration of road structure terms.



101.04 Definitions. Delete the following definitions:	
Contract Modification	
Day	
Notice to Proceed	
Solicitation	
102 - Bid, Award, and Execution of Contract	
	102.00_nat_us_02_16_2005
102 Bid, Award, and Execution of Contract	
Delete Section 102 in its entirety.	
103 - Scope of Work	
	103.00_nat_us_02_16_2005
Deletions	
Delete all but subsection 103.01 Intent of Contract.	

104 - Control of Work

104.00 nat us 06 16 2006

Deletions

Delete Sections 104.01, 104.02, and 104.04.

104.03_nat_us_02_22_2005

104.03 Drawings and Specifications

Delete subsection 104.03

104.03_nat_us_01_22_2009

104.03 Specifications and Drawings.

Delete 104.03.

104.06 nat us 02 17 2005

Add the following subsection:

104.06 Use of Roads by Contractor

The Contractor is authorized to use roads under the jurisdiction of the Forest Service for all activities necessary to complete this contract, subject to the limitations and authorizations designated in the Road Order(s) or described in the contract, when such use will not damage the roads or national forest resources, and when traffic can be accommodated safely.

104.07_nat_us_02_17_2005

Add Subsection.

104.07 Other Contracts.

Example: The Federal Highway Administration is administering and is intending to award a contract for the reconstruction of 3 1/2 miles of Salmon la Sac Road approximately 5 miles north of this project. Schedule activities to assure no delays or interference to the operations of the Federal Highway Administration contract.

105 - Control of Material

105.02 nat us 01 18 2007

105.02 Material Sources.

105.02(a) Government-provided sources.

Add the following:

Comply with the requirements of 30 CFR 56, subparts B and H. Use all suitable material for aggregate regardless of size unless otherwise designated. When required, re-establish vegetation in disturbed areas according to section 625.

105.02_nat_us_02_17_2005

105.02(a) Government Provided Sources.

(a) Government-provided sources. Add the following:

Government-provided sources for this project are identified as follows:

(1) Government-provided mandatory sources.

Obtain material for use as (borrow/riprap/boulders/etc.) and in the production of aggregates under Sections (301/401/411/etc.) from (Material Source Number or name).

(2) Government-provided optional sources.

Material for use as <u>(borrow/riprap/boulders/etc.)</u> and in the production of aggregates under Sections (301/401/411/etc.) may be obtained from <u>(Material Source Number or name).</u>

105.05 nat us 05 12 2004

105.05 Use of Material Found in the Work.

Delete 105.05 (a) and (b) and the last sentence of the second paragraph and substitute the following:

Materials produced or processed from Government lands in excess of the quantities required for performance of this contract are the property of the Government. The Government is not obligated to make reimbursement for the cost of producing these materials.

106.01 Conformity with Contract Requirements.

Delete Subsection 106.01 and substitute the following:

References to standard test methods of AASHTO, ASTM, GSA, and other recognized standard authorities refer to the methods in effect on the date of solicitation for bids.

Perform all work to the lines, grades, cross-sections, dimensions, and processes or material requirements shown on the plans or specified in the contract.

Incorporate manufactured materials into the work according to the manufacturer's recommendations or to these specifications, whichever is more strict.

Plan dimensions and contract specification values are the values to be strived for and complied with as the design values from which any deviations are allowed. Perform work and provide material that is uniform in character and reasonably close to the prescribed value or within the specified tolerance range. The purpose of a tolerance range is to accommodate occasional minor variations from the median zone that are unavoidable for practical reasons.

When standard manufactured items are specified (such as fence, wire, plates, rolled shapes, pipe conduits, etc., that are identified by gauge, unit mass, section dimensions, etc.), the identification will be considered to be nominal masses or dimensions. Unless specific contract tolerances are noted, established manufacturing tolerances will be accepted.

The Government may inspect, sample, or test all work at any time before final acceptance of the project. When the Government tests work, copies of test reports are furnished to the Contractor upon request. Government tests may or may not be performed at the work site. If Contractor testing and inspection is verified by the Government, the Contractor's results may be used by the Government to evaluate work for acceptance. Do not rely on the availability of Government test results for process control.

Acceptable work conforming to the contract will be paid for at the contract unit bid price. Four methods of determining conformity and accepting work are described in Subsections 106.02 to 106.05 inclusive. The primary method of acceptance is specified in each Section of work. However, work may be rejected at any time it is found by any of the methods not to comply with the contract.

Remove and replace work that does not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted, at no cost to the Government.

(a) Disputing Government test results. If the accuracy of Government test results is disputed, promptly inform the CO. If the dispute is unresolved after reasonable steps

are taken to resolve the dispute, further evaluation may be obtained by written request. Include a narrative describing the dispute and a proposed resolution protocol that addresses the following:

- (1) Sampling method;
- (2) Number of samples;
- (3) Sample transport;
- (4) Test procedures;
- (5) Testing laboratories;
- (6) Reporting;
- (7) Estimated time and costs; and
- (8) Validation process.

If the evaluation requires additional sampling or testing be performed, mutually agree with the Government on witnessing procedures and on sampling and testing by a third party laboratory. Use a third party laboratory accredited by the AASHTO accreditation program. Provide proof of the laboratory's accreditation for the test procedures to be used. Do not use the same laboratory that produced the disputed Government test results or that produced the test results used as a basis for the dispute.

The CO will review the proposed resolution protocol and may modify it before final approval and execution.

The Government will use the approved resolution protocol test results to determine the validity of the disputed testing. If the Government test results are validated, the Contractor will be responsible for all costs associated with developing and performing the resolution protocol. If the Government test results are not validated, the Government will be responsible for all costs associated with developing and performing the resolution protocol. If the validity of the Government test results cannot be determined, the Contractor and Government will equally share all costs associated with developing and carrying out the resolution protocol.

- **(b)** Alternatives to removing and replacing non-conforming work. As an alternative to removal and replacement, the Contractor may submit a written request to:
 - (1) Have the work accepted at a reduced price; or
 - (2) Be given permission to perform corrective measures to bring the work into conformity.

The request must contain supporting rationale and documentation. Include references or data justifying the proposal based on an evaluation of test results, effect on service life, value of material or work, quality, aesthetics, and other tangible engineering basis. The CO will determine disposition of the nonconforming work.

106.07_nat_us_05_11_2004

106.07 Delete Delete subsection 106.07.

107 - Legal Relations and Responsibility to the Public

.107.05_nat us 05 11 2004

107.05 Responsibility for Damage Claims.

Delete the entire subsection.

107.06_nat_us_06_16_2006

107.06 Contractor's Responsibility for Work. Delete the following from the first paragraph.

"except as provided in Subsection 106.07".

107.08_nat_us_03_29_2005

107.08 Sanitation, Health, and Safety

Delete the entire subsection.

107.09_nat_us_06_16_2006

107.09 Legal Relationship of the Parties.

Delete the entire subsection.

107.10_nat_us_06_16_2006

107.10 Environmental Protection.

Add the following:

Design and locate equipment repair shops, stationary refueling sites, or other facilities to minimize the potential and impacts of hazardous material spills on Government land.

Before beginning any work, submit a Hazardous Spill Plan. List actions to be taken in the event of a spill. Incorporate preventive measures to be taken, such as the location of mobile refueling facilities, storage and handling of hazardous materials, and similar information. Immediately notify the CO of all hazardous material spills. Provide a written narrative report form no later than 24 hours after the initial report and include the following:

- Description of the item spilled (including identity, quantity, manifest number, and other identifying information).
- Whether amount spilled is EPA or state reportable, and if so whether it was reported, and to whom,

- Exact time and location of spill including a description of the area involved.
- Containment procedures.
- Summary of any communications the Contractor had with news media, Federal, state and local regulatory agencies and officials, or Forest Service officials.
- Description of clean-up procedures employed or to be employed at the site including final disposition and disposal location of spill residue.

When available provide copies of all spill related clean up and closure documentation and correspondence from regulatory agencies.

The Contractor is solely responsible for all spills or leaks that occur during the performance of this contract. Clean up spills or leaks to the satisfaction of the CO and in a manner that complies with Federal, state, and local laws and regulations.

107 - Legal Relations and Responsibility To the Public

107.11_nat_us_02_17_2005

107.11 Protection of Forests, Parks, and Public Lands:

Add the following:

Add appropriate fire plan and equipment language.

108 - Prosecution and Progress

108.00_nat_us_02_16_2005

108 Delete.

Delete Section 108 in its entirety.

109 - Measurement and Payment

109.00_nat_us_02_17_2005

109 Deletions

Delete the following entire subsections:

109.06 Pricing of Adjustments.

109.07 Eliminated Work.

109.08 Progress Payments.

109.09 Final Payment.

109.02_nat_us_06_16_2006

109.02 Measurement Terms and Definitions.

(b) Contract quantity.

Add the following:

Contract quantities will be adjusted only when there are errors in the original design of 15% or more.

Change the following:

"(b) Cubic yard" to "(c) Cubic yard".

Add the following definition:

(p) Thousand Board Feet (Mbf). 1,000 board feet based on nominal widths, thickness, and extreme usable length of each piece of lumber or timber actually incorporated in the job. For glued laminated timber, 1,000 board feet based on actual width, thickness, and length of each piece actually incorporated in the job.

155 - Schedules for Construction Contracts

155.00_nat_us_05_11_2004

155 Delete.

Delete Section 155 in its entirety.

170 - Develop Water Supply and Watering

170.00 nat us 03 30 2005

Description

170.01 This work consists of developing an acceptable water supply, furnishing, hauling, and applying water.

Materials

170.02 Conform to the following subsection.

Water

725.01.

Construction Requirements

170.03 Development of Supply & Access. Develop water supplies and access to the water supplies as required. Use designated water sources or other approved water sources. Before using non-designated water sources, obtain all necessary permissions, water rights, and permits.

170.04 Equipment. Provide mobile watering equipment with watertight tanks of known capacity. Provide for positive control of water application from the driver's position.

170.05 Application. Apply water uniformly without ponding or washing.

170.06 Acceptance. Developing water supplies and watering will be evaluated under Subsections 106.02 and 106.04.

Measurement

170.07 Measure the Section 170 items listed in the bid schedule according to Subsection 109.02.

Payment

170.08 The accepted quantities will be paid at the contract price per unit of measurement for the Section 170 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

201 - Clearing and Grubbing

201.01_nat_us_02_18_2005

201.01 Description

Replace with the following

This work consists of clearing and grubbing within clearing limits and other designated areas.

201.04_nat_us_02_22_2005

201.04 Clearing. (c)

Delete paragraph (c) and replace with the following:

(c) In areas outside the excavation, embankment, and slope rounding limits, cut stumps to within 12 inches or one-third of the stump diameter of the ground, whichever is higher, measured on the side adjacent to the highest ground. For timber sales, stump heights will meet the requirements of the Timber Sale contract.

201.04 Clearing.

Delete subsection (d) and replace with the following:

(d) Do not cut vegetation less than 3 feet tall and less than 3 inches in diameter, that is within the clearing limits but beyond the roadway and not in a decking area, and that does not interfere with sight distance along the road.

Add the following:

- (e) Trim branches of remaining trees or shrubs to give a clear height of 14 feet above the roadbed unless otherwise indicated. Trim tree limbs as near flush with the trunk as practicable.
- (f) Remove brush from log decks. Deck logs so that logs are piled parallel to one another; can be removed by standard log loading equipment; will not damage standing trees; will not interfere with drainage, and will not roll. Keep logs in log decks free of brush and soil.

201.04 nat us 03 03 2005

Construction Requirements

201.06_nat_us_02_18_2005

201.06 Disposal.

Delete the first sentence of this subsection and substitute the following:

Dispose of merchantable timber designated for removal according to the provisions of the timber sale contract.

201.06_nat_us_11_09_2005

201.06 Disposal

Delete the first sentence of this paragraph and substitute the following:

Limb and deck logs that meet utilization standards at locations approved by the CO or otherwise designated. Deck logs according to 201.04 (f).

204 - Excavation and Embankment

204.06_nat_us_03_02_2005

204.06 Roadway Excavation

(a) General.

Add the following:

Retrieve material deposited outside of the clearing limits as directed by the CO. Place unsuitable material in designated areas.

204.06_nat_us_03_02_2005

204.06 Roadway Excavation.

Add the following:

d) Pioneer Roads. Road pioneering, slash disposal, and grubbing of stumps may proceed concurrently with excavation. Conduct excavation and placement operations so material to be treated under Section 201 will not be incorporated into the roadway unless specified in the slash treatment method. Maintain drainage during pioneering operations.

Remove snow and ice in advance of the work and deposit beyond the roadway limits in a manner that will not waste material or generate sediment. Do not incorporate snow and ice into embankments. Place snow or ice in a manner to prevent resource damage.

204.09_nat_us_03_02_2005

204.09 Preparing Foundation for Embankment Construction.

Delete subsection (a) and replace it with the following:

(a) Embankment less than 4 feet high over natural ground. When designated, remove topsoil and break up the ground surface to a minimum depth of 6 inches by plowing or scarifying. Compact the ground surface according to Subsection 204.11.

204.10_nat_us_03_02_2005

204.10 Embankment Construction.

Add the following:

Obtain written approval before beginning construction of embankments over 6 feet high at subgrade centerline.

(a) General.

Delete the third paragraph and add the following:

Compact embankment side slopes flatter than 1V:1.75H with a tamping type roller or by walking with a dozer. For slopes 1V:1.75H or steeper, compact the slopes as construction of the embankment progresses.

204.11 nat us 04 11 2005

204.11 Compaction.

Delete the first paragraph and replace it with the following:

For compaction according to method (a), (b), or (c), use AASHTO T 27 to determine the amount of material retained on a Number. 4 sieve. For compaction methods (d) or (e) no sieve test is required.

Add the following compaction methods:

- (d) Layer Placement Method (Hauling and Spreading Equipment). Place material by end dumping to the minimum depth needed for operation of spreading equipment. Level and smooth each embankment layer before placing the next layers. Operate hauling and spreading equipment uniformly over the full width of each layer. Construct a solid embankment with adequate compaction by working smaller rock and fines in with the larger rocks to fill the voids, and by operating hauling and spreading equipment uniformly over the full width of each layer as the embankment is constructed.
- (e) Layer Placement (Roller Compaction) Method. Place material by end dumping to the minimum depth needed for operation of spreading equipment. Adjust the moisture content of the material to obtain a mass that will not visibly deflect under the load of the hauling and spreading equipment. Operate compaction equipment over the full width of each layer until visible deformation of the layer ceases or, in when a sheepsfoot roller is used, the roller "walks out" of the layer. Make at least three complete passes.

204.13_nat_us_03_02_2005

204.13 Sloping, Shaping, and Finishing.

(a) Sloping.

Add the following:

Slope rounding is not required on tolerance class D though M roads.

204.13 nat us 03 02 2005

204.13 Sloping, Shaping, and Finishing.

Delete section (d) and add the following:

(d) Finishing. For surfaced roads, remove all material larger than 6 inches from the top 6 inches of the roadbed. For all roads, finish the roadbed to be smooth and uniform, and shaped to

conform to the typical sections. Remove unsuitable material from the roadbed and replace it with suitable material. Finish roadbeds to the tolerance class shown in table 204-2.

Ensure that the subgrade for both surfaced and unsurfaced roads is visibly moist during shaping and dressing. Scarify to 6 inches below the bottom of low sections, holes, cracks, or depressions and bring back to grade with suitable material. Maintain proper ditch drainage.

For unsurfaced roads, use one of the following methods to finish the roadbed:

- (1) Method A. Remove all material larger than 6 inches from the top 6 inches of the roadbed and replace with suitable material.
- (2) Method B. Use a vibratory grid roller or approved equal with a minimum weight of 10 tons. Roll at least 5 full-width passes or until visible displacement ceases.
- (3) Method C. For roads designated as Construction Tolerance Class K, L, or M, finish the roadbed by spreading the excavation. Eliminate rock berms.

Add Table 204-2—Construction Tolerances:

Table 204-2 Construction tolerances.

		Tolerance Class ^(a)											
	A	В	C	D	E	F	G	н	I	J	K	L	M
Roadbed width (ft)	+0.5	+0.5	+1.0	+1.0	+1.0	+1.0	+1.5	+1.0	+2.0	+2.0	+2.0	+2.0	+2.0
Subgrade elevation (ft)	<u>+</u> 0.1	±0.2	<u>+</u> 0.2	<u>+</u> 0.5	+0.5	<u>+</u> 1.0	±1.0	<u>+</u> 1.5	<u>+</u> 2.0	<u>+</u> 3.0	<u>+</u> 2.0	<u>+</u> 3.0	(c)
Centerline alignment (ft)	<u>+</u> 0.2	<u>+</u> 0.2	<u>+</u> 0.5	<u>+</u> 0.5	<u>+</u> 1.0	<u>+</u> 1.0	` <u>+</u> 1.5	<u>+</u> 1.5	<u>+</u> 2.0	<u>+</u> 3.0	<u>+</u> 3.0	<u>+</u> 5.0	(c)
Slopes, excavation, and embankment (% slope ^(b)	<u>+</u> 3	<u>+</u> 5	<u>+</u> 5	<u>+</u> 5	<u>+</u> 5	<u>+</u> 5	±10	<u>+</u> 10	±10	±10	<u>+</u> 20	<u>+</u> 20	<u>+</u> 20

- a. Maximum allowable deviation from construction stakes and drawings.
- b. Maximum allowable deviation from staked slope measured from slope stakes or hinge points.
- c. Unless otherwise shown the centerline alignment and subgrade elevation, as built, have no horizontal curves with a radius of less than 80 feet, and no vertical curves with a curve length of less than 80 feet when the algebraic difference in the grade change is less than 10 percent, or a curve length of less than 100 feet when the algebraic difference of the grade change is greater than or equal to 10 percent. The centerline grade is not to exceed 20 percent in 100 feet of length.

204.14 nat us 03 02 2005

204.14 Disposal of Unsuitable or Excess Material.

Delete the text of the first paragraph and substitute the following:

Dispose of unsuitable or excess material at designated sites or legally off of the project.

204.15 Acceptance

Table 204-1 Sampling and Testing Requirements.

Add the following note to the table:

(2) When compaction methods (d) or (e) are used AASHTO M 145, T 99, T 180, and T 310 are not required for earth embankment test methods.

209 - Structure Excavation and Backfill

209.10_nat_us_10_23_2007

209.10 Backfill.

(a) General.

Add the following:

Replace any pipe that is distorted by more than 5 percent of nominal dimensions, or that is ruptured or broken.

Do not place or backfill pipe that meets any of the following conditions until the excavation and foundation have been approved in writing by the CO:

- Embankment height greater than 6 feet at subgrade centerline.
- Installation in a protected streamcourse.
- Round pipe with a diameter of 48 inches or greater.
- Pipe arches with a span of 50 inches or greater.
- Any box culvert of structure other than pipe culverts.

(b) Pipe culverts.

(1) Pipe culverts with compacted backfill.

Add the following:

Excavate an area on each side of the pipe as needed to effectively achieve compaction requirements. Backfill without damaging or displacing the pipe. Complete backfilling of the trench with suitable material.

209.11 nat us 02 24 2005

209.11 Compacting.

Delete the subsection and add the following:

Compact backfill using designated compaction method A, B, or C:

Method A. Ensure that backfill density exceeds the density of the surrounding embankment.

Method B. Adjust the moisture content of the backfill material to a moisture content suitable for compaction. Compact each layer using appropriate compaction equipment until visual displacement ceases. For compaction under sections 252, 254, 255, 257, 258 and 262 compact with a vibratory steel wheeled roller with a mass of at least 8 tons.

Method C. Determine optimum moisture content and maximum density according to AASHTO T 99 method C. Adjust the moisture content of the backfill material to a moisture content suitable for compaction. Compact material placed in all layers to at least 95 percent of the maximum density. Determine the in place density and moisture content according to AASHTO T 310 or other approved test procedures.

Table 209-1 Sampling and Testing Requirements Add the following:

(2) Compaction methods (A) and (B) do not require AASHTO T-99 or T-310 test methods for foundation fill.

303 - Road Reconditioning

303.01_nat_us_03_02_2005

303.01 Work.

Delete and add the following:

This work consists of reconditioning ditches, shoulders, roadbeds, cattleguards, asphalt surfaces, and aggregate surfaces.

303.06_nat_us_08_05_2008

303.06 Aggregate Surface Reconditioning.

<u>Delete and replace with the following:</u>
303.06 Asphalt and Aggregate Surface Reconditioning.

Repair soft and unstable areas to the full depth of the aggregate surface and according to Subsection 204.07. Scarify to the depth of the aggregate surface or to a depth of 6 inches, whichever is less, and remove surface irregularities. Reshape, finish, and compact the entire aggregate surface according to Subsection 301.05, Subsection 321.05, or Subsection 322.05 as applicable.

For asphalt surfaces, clean the existing surface of all loose material, dirt, or other deleterious substances by approved methods. Remove and dispose of unsuitable material that shows evidence of distress, excess asphalt material, or settlement in the roadbed. Patch the areas with approved material that conforms to and is compatible with the adjacent pavement structure. Perform the patch work according to Section 301, 404, 430, or other sections as applicable for the layer or courses being repaired. Clean and seal cracks in the existing asphalt surface according to Subsection 414.05. Correct surface irregularities exceeding 6 inches in depth with a specified aggregate. Place and compact the aggregate according to Subsections 301.04 and 301.05. Prelevel other dips, depressions, sags, excessive or nonexistent crown, or other surface irregularities with asphalt concrete according to Section 404. Spread and compact the asphalt concrete in layers parallel to the grade line not to exceed 2 inches in compacted depth.

Delete Table 303-1 and replace with the following:

Table 303-1 Sampling and Testing Requirements

	Reporting Time	Before using in work	3	*	3	Before placing next layer
	Split Sample	Yes, when requested	ä	3	÷	1
	Point of Sampling	Processed material before incorporating in work	¥	ä	3	In-place
	Sampling Frequency	I per each mixture or change in material	ä	ä	đ	1 per 3000 yd²
)	Test Methods Specifications	AASHTO T 99 ⁽¹⁾	R-1 Marshall	AASHTO T 180 ⁽¹⁾	R-1 Marshall	AASHTO T 310 or other approved procedures
)	Category		1			Ī
•	Characteristic	Moisture-density Method D	Moisture-density Method E	Moisture-density Method F	Moisture-density Method G	In-place density & moisture content
	Type of Acceptance (Subsection)	Measured and tested for conformance (106.04)				
	Material or Product	Existing Roadway				

(1) Minimum of 5 points per proctor.

303.07_nat_us_03_02_2005

303.07 Roadway Reconditioning.

Add the following:

Remove cattleguard decks. Clean the deck and the area beneath the cattleguard of soil and other material to the bottom of the original foundation over the entire width of the installation. Reinstall the cattleguard deck.

303.11 nat us 03 29 2005

303.10 Measurement

Modify the second paragraph as follows:

Measure ditch reconditioning and shoulder reconditioning by the mile, station, or foot horizontally along the centerline of the roadway for each side of the roadway.

607 - Cleaning, Reconditioning, and Repairing Existing Drainage

607.04 nat us 03 02 2005

607.04 Cleaning Culverts in Place.

Add the following:

If approved by the CO, all or part of the pipe designated to be cleaned in-place may be removed, cleaned, and re-laid in accordance with Section 602. In these cases, furnish all material required to replace damaged pipe and joints and relay the pipe.

635 - Temporary Traffic Control

635.03_nat_us_05_13_2004

635.03 General.

Add the following:

Install temporary traffic control signs to temporary posts or approved temporary sign mounts.

705.02 Riprap Rock.

Delete Table 705-1 and replace it with the following:

Gradation Requirements for Riprap								
Class	Percent of	Mass	Approximate Cubic					
	Rock by Mass	(pounds)	Dimension b,c (inches)					
	20	22 to 33	6 to 8					
1	30	11 to 22	5 to 6					
	40	1 to 11	2 to 5					
	10 ^a	0 to 1	0 to 2					
	20	55 to 110	8 to 10					
2	30	22 to 55	6 to 8					
	40	2 to 22	3 to 6					
	10 ^a	0 to 2	0 to 3					
	20	220 to 330	14 to 16					
3	30	110 to 220	10 to 14					
	40	11 to 110	5 to 10					
	10 ^a	0 to 11	0 to 5					
"-	20	550 to 770	18 to 20					
4	30	220 to 570	14 to 18					
	40	22 to 220	6 to 14					
	10 ^a	0 to 22	0 to 6					
	20	770 to1353	20 to 24					
4a	30	330 to 770	16 to 20					
	40	33 to 330	7 to 16					
	10 ^a	0 to 33	0 to 7					
	20	1540 to 2200	26 to 28					
5	30	1100 to 1540	20 to 26					
	40	55 to 1100	8 to 20					
	10 ^a	0 to 55	0 to 8					
	20	1870 to 3520	28 to 34					
6	. 30	1100 to 1870	22 to 28					
	40	110 to 1100	10 to 22					
	10 ^a	0 to 110	0 to 10					
	20	4400 to 5940	35 to 39					
7	30	2200 to 4400	28 to 35					
	40	220 to 2200	14 to 28					
	10 ^a	0 to 220	0 to 14					
	20	7000 to 10000	42 to 47					
8	30	4000 to 7000	35 to 42					

40	400 to 4000	16 to 35
10 ^a	0 to 400	0 to 16

- (a) Furnish spall and rock fragments graded to provide a stable dense mass.
- (b) The volume of a rock with these cubic dimensions has a mass approximately equal to the specified rock mass.
- (c) Furnish rock with breadth and thickness at least one-third its length.

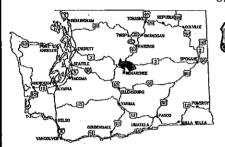
718 - Traffic Signing and Marking Material

718.05_nat_us_08_05_2009

718.05 Aluminum Panels

Delete the third paragraph and replace with the following:

Clean, degrease and properly prepare the panels according to methods recommended by the sheeting manufacturer. Conversion coatings will conform to ASTM B-921 or ASTM B-449.



UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE REGION 6 OKANOGAN - WENATCHEE NATIONAL FORESTS

Wenatchee River Ranger District

CONSTRUCTION DRAWINGS FOR

Skywalker T.S.



	INDEX TO SHEETS
SHEET NO.	DESCRIPTION
1	TITLE
2-3	VICINITY MAP
4-6	ESTIMATE OF QUANTITIES
7	NOTES, SYMBOLS & TYPICAL DETAILS
8	ROAD STRUCTURE DETAILS
9	CLEARING DETAILS
10	DRAINAGE LISTING
11	DRAINAGE CONSTRUCTION DETAILS
12	DRAIN DIP DETAILS
13	SIGN PLAN
14	7510200 STREAM CROSSING DETAILS
15	WORK DESCRIPTIONS
16	WORK DESCRIPTIONS
17	WORK DESCRIPTIONS
18	WORK DESCRIPTIONS

KEY MAP OF WASHINGTON SHOWING LOCATION OF PROJECT

ROAD NO.	LENGTH MILES	RECONST./CONST.	SHEET NO.
7510 000	5.21	RECONST	15
7510 100	1.91	RECONST	15
7510 180	0.61	RECONST	16
7510 200	0.90	RECONST	16
7510 270	0.62	RECONST	16
7510 300	1.14	RECONST	16
7702 000	0.90	RECONST	16
7703 000	0.56	RECONST	17
7704 000	3,28	RECONST	. 17

ROAD NO. LENGTH MILES		RECONST./CONST.	SHEET NO.
7704 800	2.07	RECONST	17
7800 112	0.47	RECONST	18
7800 900	0.52	RECONST	18
7800 910	0.36	RECONST	18
7803 600	4.25	RECONST	18
7803 636	0.40	RECONST	18

TOTAL CONSTRUCTION TOTAL RECONSTRUCTION

0 MILES 23.20 MILES

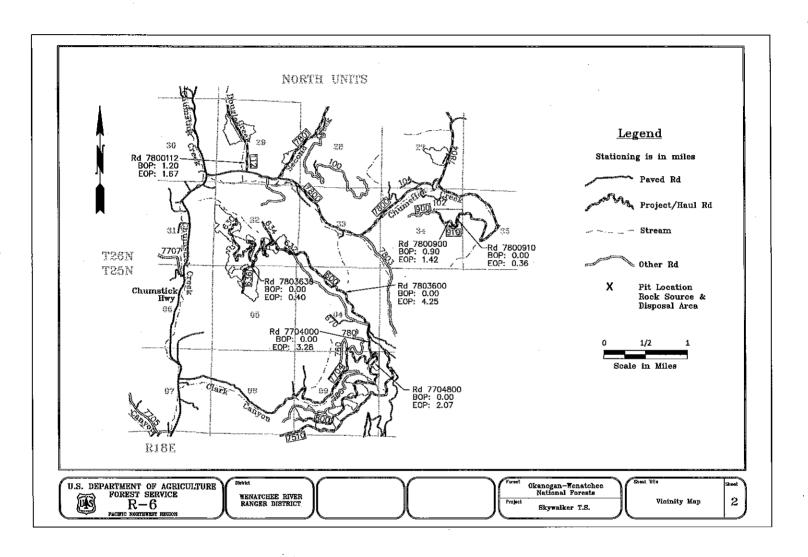
U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE R-6

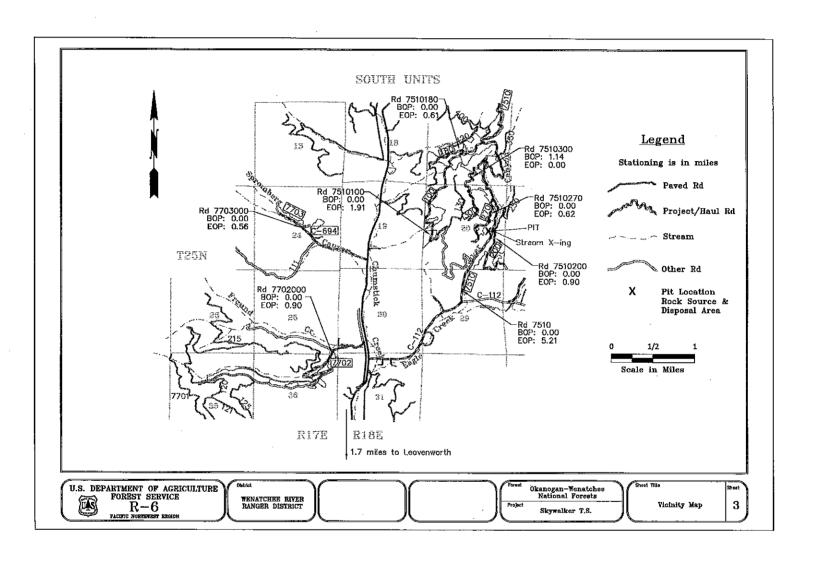
Reviewed and Approved By	
District Ranger	Date
Forest Engineer	Date

Recommended and Approved By	
Zone Engineer	Cola
·	

	1
Designed By	Dota
Reviewed By	- Deta-

Sheet	
Ti	tle
	Sheet 1



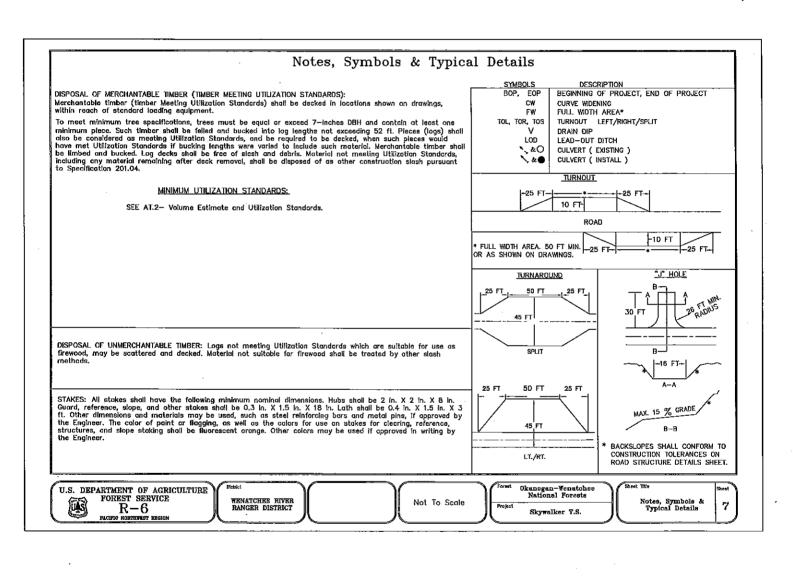


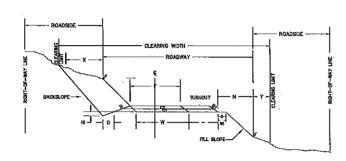
			EST	MATE	OF QU	JANTIT	IES				Sheet 4
	ROAD NUMBEI MILE POST (MILES					7510100 1.91	7510180 0,61	7510200 0.9	7510270 0.62	7510300 1.14	SKYWALKER T.S.
ITEM NO.	DESCRIPTION	DESCRIPTION MEASURE UNIT CATE QUANTITIES					REMARKS				
15101	Mobilization	AQ	Lump Sum	2005		1.00	<u> </u>	1.00	1.00	1.00	7510000-Mobilization is incidental to 7510200. 7510180- Mobilization is incidental to 7510100
15219	Establish cleaning limits	CQ	Mile	_2005		1.91	0.61	0.90	. 0.62	1.14	
20103	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	co	Mile	2005	5.21						
20104	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	GQ	Acre	2006		4.85	1.48	2.24	1.53	2.84	
20401	Roadway excavation, compaction malhod C, finishing method A	CQ	Cubic Yard	2005		1,111.00	56.07	171.00	78.00	1,876.00	
	Drainage excavation, type roadside ditch	CQ	Fool	2005	<u> </u>					-	
20420	Drainage excavation, type Drain Dip	AQ	Each	2006		15.00		7.00	·		
20420(a)	Drainage excavation, type Catch Basin	AQ	Each	2005				Ē			
20429	End Hauf	CQ	Cubic Yard	2005	461.78	1,111_00	40.00	171.00	57.00	1,876.00	Material generated from excavation, unless otherwise noted on the Work Description sheet, shall be hauted to the pit on FS rd 7510, adjacent to FS rd 7510200
25102	Placed riprap, class 4	AQ	Ton	2005				45.00			Riprap is a Government furnished source. Pit is on FS rd 7510, adjacent to 7510200.
30304	Road reconditioning, ditch	CO	Mie	2005	2.60						
3031B	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	2005	5.13	1.91	0.61	0,90	0.62	1.14	
60201a	18 inch pipe culvert, furnish and install	AQ	Foot	2005							
60201b	24 inch pipe culvert, furnish and Install	AQ	Foot	2005		50.00					
60202	57 inch span X 38 inch rise outvert, furnish and install	AQ	Foot	2005		_					
60708	Cleaning culverts in place	AQ	Each	2005	- 34.00						
							-				
				-							
			<u> </u>			_	•				
		_	-								
			<u> </u>								-

		Sheet 5 SKYWALKER T.S.											
		!	ROAD NU	MBER	7702000						271,772,000,001,1100		
		MILI	E POST (i	MILES)	0,9	0.56	3.28	2.07	0.47	0.52			
ITEM NO.	DESCRIPTION	METHOD OF MEASURE	UNIT	REVISION DATE	QUANTITIES						REMARKS		
15101	Mobilization	AQ	Lump Sum	2005	1.00	1.00		1.00	1.00	1.00	7704000-Mobilization incidental to 7704800		
15219	Establish clearing limits	CQ	Mie	2005	0.90	0,56		2.07	0.47	0.52			
20103	Cleating and grubbing, disposal of tops and limbs F, logs F, stumps F	ca	Mile	2005			3.28						
20104	Cleaning and grubbing, disposal of tops and limbs F, logs F, stumps F	cq	Acre	2005	2.20	1.35		5,32	1.02	1.33			
20401	Roadway excavation, compaction method C, finishing method C	cq	Cubic Yard	2005	10,44			678.00		35.93	-		
20419	Drainage excavation, type roadside ditch	ca	Foot	2005	199,00								
20420	Orainage excavation, type Orain Dip	AQ	Each	2005	7.00			15.00	4.00				
20420(a)	Drainage excavation, type Catch Basin	AQ	Each	2005	2.00			2.00					
20429	End Hauf	ca	Cubic Yard	2005				678.00			Material generated from excavation, unless otherwise noted on the Work Description sheet, shall be hauled to the pit on FS rd 7510, adjacent to FS rd 7510200		
25102	Placed riprap, class 4	AQ	Ton	2005									
30304	Road reconditioning, ditch	ca	Mile	2005			1.49						
30318	Read reconditioning, roadbed, compaction method (d)	CQ	Mia	2005	0.90	0.56	3.28	2.07	0.47	0.52			
50201a	16 inch pipe culvert, furnish and instati	AQ	Foot	2005	50.00		-						
60201b	.24 inch pipe culvert, furnish and install	AQ	Foot	2005	30.00			72.00					
50202	57 inch X 38 inch culvert, furnish and install	AQ	Foot	2005	60.00								
60708	Cleaning culvarts in place	AQ	Each	2005			21.00			1.00			
											7		
		-											
			-										
		<u> </u>					7						
		 			 -								

			EST	MATE	OF QL	JANTIT	IES				Sheet 6
											SKYWALKER T.S.
		ı	ROAD NI	IMBER	7800910	7803600	7803636				
		MILE	E POST (MILES)	0.36	4.25	0.4	-	<u> </u>		
ITEM NO.	DESCRIPTION	METHOD OF MEASURE	UNIT	REVISION DATE	ĺ		QUANT	TITIES			REMARKS
45404	48-690V	AQ			i .				}		7800910-Mobilization incidental to 7800900, 7803636-
15101	Mobilization	 	Lump Sum	2005		1.00			 		Mobilization incidental to 7803600
15219	Establish cleaning limits	CQ	Mite	2005	0.36	2.38	0.40				
		l co									
20103	Clearing and grubbing, disposal of tops and limbs F, logs F, stumps F	"	Mile	2005]				
20104	Clearing and grubbing, disposal of tops and timbs F, logs F, stumps F	CO	Acre	2005	0,88	5.79	0.99		Ī		
LUIUV	Overland men Biggary of galactic of taba and senter L' orde L' ordente L	+	ALIE	2005	U,00	5.19	0.89				
00.484		CQ			i			· ·			
20461	Roadway excavation, compaction method C, finishing method A	ļ	Cubic Yard	2005	25.93	<u> </u>	2.07	<u> </u>		<u> </u>	
20419	Oralnage excavation, type roadside ditch	ca	Foot	2005	\vdash						
		ļ									
20420	Drainage excavation, type Drain Dip	AQ	Each	2005	4.00	31.00	3.00				
20420(a)	Dramage excavation, type Catch Basin	DA DA	Each	2005	<u> </u>				_	 	
							-		†		
		CQ		f			1				Material generated from excavation, unless otherwise noted on
20429	End Hauf		Cubic Yard	2005			1		ì		the Work Description sheet, shall be haused to the pit on FS rd 7510, adjacent to FS rd 7510200
25102	Placed riprap, class 4	AQ	Ton	2005			ļ				
30304	Road reconditioning, trich	- ca	Mile	2005		<u> </u>		-	<u> </u>		 -
30318	Road reconditioning, roadbed, compaction method (d)	CQ	Mile	2005	0.36	4.20	0.32				
60201a	18 inch pipe culvert, furnish and install	AQ	Foot	2005	-	ļ			-	_	
			1							<u> </u>	
60201ъ	24 inch pipe culvert, fignish and Install	DA.	Foot	2005							
60202	57 inch X 38 inch culvett, furnish and install	AQ	Foot	2005		 				-	<u>-</u>
			1000	2000					· · · · · · · · · · · · · · · · · · ·	-	
60708	Cleaning outverts in place	AQ	Each	2005							
		+	-								
	-	1	 	-		-		<u> </u>			
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<u> </u>		-	<u> </u>								
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EXTRA ROADBED WIDTH WHEN SUBBASE, BASE, COURSE, SURFACE COURSE, CURVE WIDENING, FILL WIDENING AND/OR TURNOUTS ARE SPECIFIED.

~	l⊢					ING			GF	RADING					ΙEΝ	T S	TRU	ICTU	RE
ROAD	SEGMEN	(N	STATION	Name Oracle	BEY SI	OND DPE AKE	CONSTRUCTION TOLERANCE	FINISH ROADSED	A HROADBED	C WEDGNING	DITCH	PIMENSIONS	TRAVELED WAY WET		CZ CZ	ន	NOTES	SLOPE	£ ₩
7510000	1	0.00	5.21	4	1-	Ť	SP	64	14	2	3	1		ļ -			-		 -
7510100	\top	0.00	1.91	B		Т	SP	6d	14	2	_		_	Ħ	П			-	
7510180	Т	0.00	0.61	6	Г	Г	SP	64	14	2				Г	П		П		
7510200	1	0.00	0.90	6	П	ī —	SP	64	14	2				П	П				
7510270	\neg	0.00	0.62	6	\neg	1	SP	6d	14	2	_			П	П		$\overline{}$		
7510300	Т	0.00	1.14	6	r	ī	SP	Ĝd	14	2				П	П		_		
7702000	1	0.00	0.90	6		ı	SP	6d	14	2	3	1		Г	П				
7703000		0.00	0.56	6		Ī	SP	64	12					П	П				
7704000		0.00	3.28	6	П	Г	SP	6d	14	2	3	1		П	П				
7704800		00,00	2.07	6	Г		se	8d	14	2			f	П	П				
7800112		0,00	0.47	6	Г	<u>, </u>	SP	6d	12		_			П	П				
7800900		0,90	1.42	6	Г	1	SP	6d	14	1			Γ	П					
7800910		0.00	0.36	6			SP	6d	14	1	Ī.		1		П				
7803500		.0,00	4.25	6			SP	6d	14	1			!	П			-	\Box	
7803636		0.00	0.40	6			SP	6d	14	1	Ĺ								
	1 ***			Т	Г	Г	Π	Π		·							1		

Road Structure Details

- (1) CURVE WIDENING, WHEN SPECIFIED, SHALL BE ADDED TO THE INSIDE OF THE CURVE.
- (2) ROADBED WIDTH, FILL WIDERING, TURNOUT LENGTHS, FILL AND BACKSLOPE RATION SHALL BE AS SPECIFIED IN CONSTRUCTION STAKING NOTES AND/OR DRAWNIGS.
- (3) SEEDING, FERTILIZING AND/OR MULCHING AREA INCLIDES N, X & Y SHOWN ON THE TYPICALS AND ALL OTHER AREAS DISTURBED BY CONSTRUCTION (INCLUDES BURN BAYS AND DECKING AREAS).
- (5) ROADED TEMPLATE TYPES ARE SHOWN ON THE DRAWINGS AND SHALL BE CONSTRUCTED TO THE FOLLOWING TOLERANCE:

 OUTSLOPE (OUT): 0 TO 5 %

 PISLOPE (N): 2 TO 5 %

 CROWN (CR): 2 TO 4 %

- CROWN (GY): 2 10 4 %

 (5) FINISHING ROADBED:

 d. ROCKS PROTRUDING MORE THAN 4 INCHES ABOVE THE SUBGRADE SHALL BE REDUCED TO THE RINISHED SUBGRADE OR REMOVED, NO OVERSIZE MATERIAL SHALL BE LEFT ON THE SHOULDERS OR IN THE DITCHES. OVERSIZE MATERIAL IS DEFINED AS ROCKS 2 INCHES OR GREATER IN DURISHORS.
- (7) DITCHES ARE TO BE CONSTRUCTED WHERE NOTED ON THE WORK DESCRIPTION SHEETS OR PLAN AND PROFILE SHEETS.

(SP) CONSTRUCTION TOLERANCE: WHERE CONSTRUCTION STAKES ARE NOT SPECIFIED AND ELEARING LIMIT MARKING IS THE ONLY CONTROL RECOURSE, DISCUSSIONS SHALL COVERN, UNLESS OTHERWISE SHOWN ON THE DRAWNINGS. GRUB STUMPS WIRIN THE ROADWAY AND IN ACCORDANCE WITH FP-OS SPEC. 201.03

ROADBED WIDTH: as shown in column "W", plus curve widening, turnout widths, and filt widening.

CENTERLINE ALIGNMENT - 50 FOOT MINIMUM RADIUS CURVE. GRADE - CHANGE BETWEEN GRADES SHALL BE UNIFORM AND NOT EXCEED 10 PERCENT IN 25 FEET.

MAXIMUM GRADE: - 10 PERCENT FAVORABLE - 15 PERCENT ADVERSE

FILL - NATURAL CATCH OBTAINED USING SIDE CAST CONSTRUCTION METHOD.

BACKSLOPE - COMMON 2 V :1 H. ON FLAT GROUND, CUTS UNDER 3 FEET

COMMON 1 V : 1 H. UNDER 55% TO 3/4 V : 1 H. OVER 55% REPPABLE 1/2 V: 1 H

SOUD 1/4 V : 1 H

U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE R-6

WENATCHEE RIVER RANGER DISTRICT

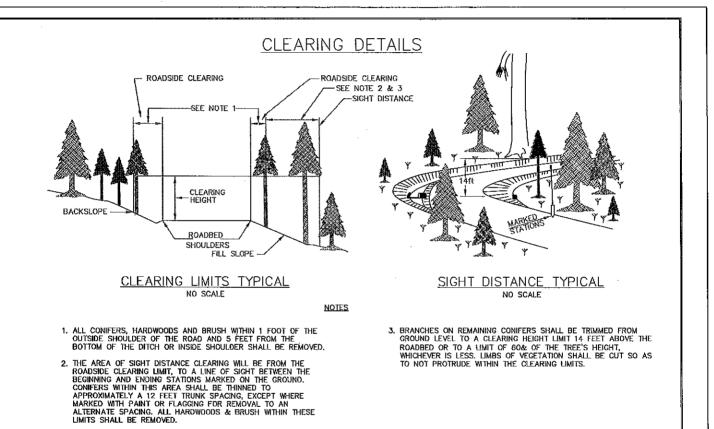
Not To Scale

Okanogan-Wenetchee National Forests

Skywalker T.S.

Road Structure Details

8



Not To Scale

Skywalker T.S.

Clearing Details

9

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

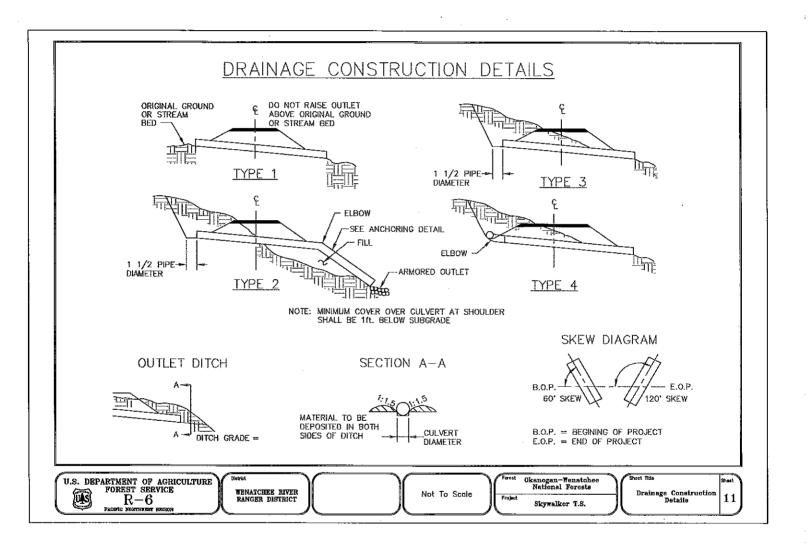
R-6

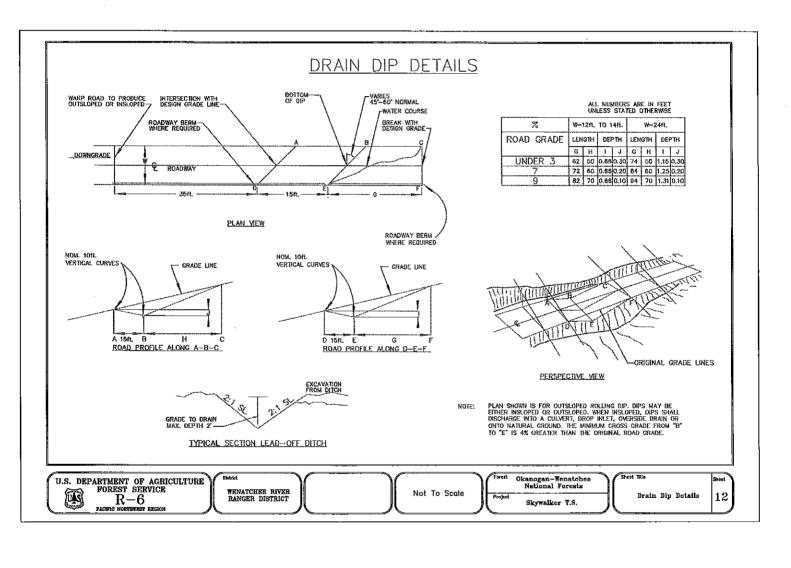
WENATCHEE RIVER RANGER DISTRICT

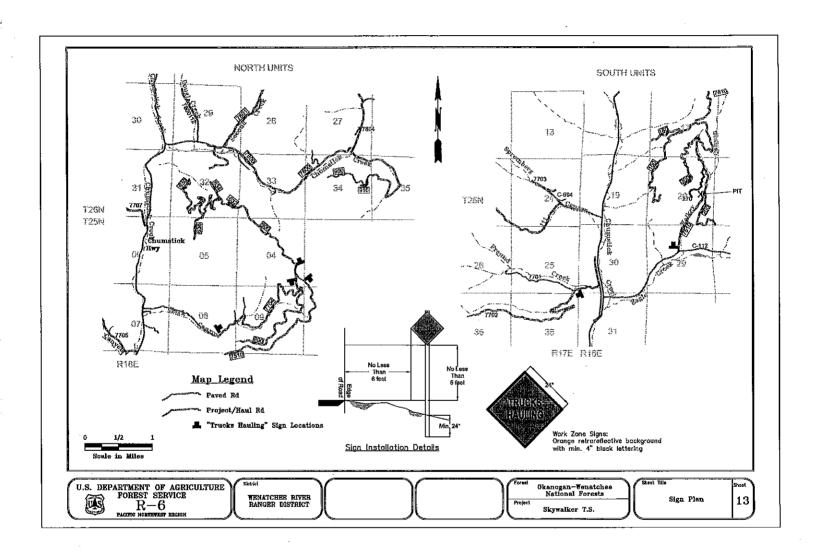
DRAINAGE LISTING

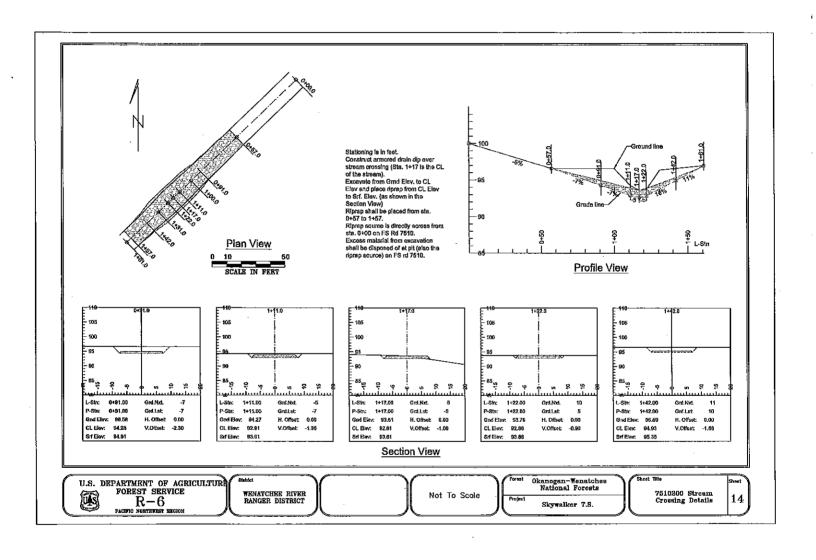
	DESIGN	ED		ALLOW	ABLE	ALTER	NATES		INS	TALLAT	ION	MIS	SCELL	ANEO	us	ITEM	s	
ROAD NUMBER	STATION OR MILE POST	LENGTH FT.	ST	ANIZEO EEL X 1/2* THICK- NESS	22/3*	X 1/2" THICK-	ST	THICK- NESS	TYPE	SKEW	GRADE	DITCH DAM	OUTLET APRON	OUTLET DITCH	E C KEH	GASKET	PIPE ELBOW	REMARKS .
7510100	1.10	50	24"	.064	24*	.052			1	*					Ī	-	_	
7702000	0.00	50	18*	.064	18"	.052			,	*	•				Í			
	0.02	30	24"	.064	24"	.052			i	•	•							ALL LOCATIONS WILL BE STAKED BY THE ER
	0.26	30	48"	.064	48"	.052			1	*	•							*GRADE AND SKEW WILL MATCH EXISTING GRADE LINE
	0.51	30	48"	.064	48*	.052			1		•			П				
7704800	0.53	42	24*	,054	24*	.052			1	*								
	1.01	30	24"	.064	24"	.052			1_1		*							
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U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE R-6	DMAKE WENATCHEE RIVER RANGER DISTRICT	NOT TO SCALE	Forest Okanogan—Wenatchee National Forests Froject Skywalker T.S.	Sheet 1180 Drainage Listing	Sheet 10
PACIFIC HORTHWEST REGION		<u> </u>			<u> </u>









	Road no.:	7510						•			
	BOP notes;	int w/Co. Rd.	Eagle C	creek .			F	Road no.:	7510100		
		-			ъ.	144 (175)	E	BOP notes:	BOP @ int. w/7510		
	Work Description		Sta.	Work Description		Work Description			-		
(mi)			(mi)		(ml)		Sta.	Work Description	i	Sta.	Work Description
0.00	Begin Road Reco	nditioning.	2.27	Ditch clean	4.20	Clean CMP	(mi)	TOTA BESSE PASS		(mi)	Holk Boompani
	Begin Roadside B	និការនាំក	2.38	End ditch clean				BOP			remove large boulders from
	removal					Remove cut slope material	0.00	Begin clearing		0.00	road
	Excess mat'l from	excavation	2.40	Ditch clean	4.36	End remove cut material		Begin road recon	diffenia		1000
	be disposed of at p		2.44	End ditch clean		Clean CMP		(all waterbars shi		กดล	remove large deposit material
Rd 75	10, T25N R18E S	ec 20.						Excess material 1		0,00	Tettlose talde cohast Illatolia
			2.48	Ditch clean	4.38	Remove sandstone material		excavation shall		0.07	end remove large deposit matil
0.485	Clean CMP		2.57	End ditch clean		from road		and disposed of		0.01	end remove large deposit matt
								Rd 7510, T25N F		Λ 00	end rd widening
0.614	Clean CMP		2.62	Ditch clean -right	4.50	Clean CMP		Na 70 10, 120M F	CIDE GEO ZO.	0.00	eno la wiosining
			2.74	End ditch clean			0.00	remove earthen l	hander	1.04	Begin road widening, remove
0.72	Clean CMP			Clean CMP		Remove cut slope mat'i	0.02	construct drain d		1.04	slough from cutslope
0.83	Clean CMP				4.67	End Remove cut slope mat'l		PO(lan ner digit) d	ıħ		alonda antii coreloha
0.95	Clean CMP		2.76	Ditch clean - right			0.21	Spur rd, right		1.06	construct drain dip
			2.92	(Spur road left)	4.73	(Spur road, right)	0.41	apur tu, ngiit		1,00	construct drain dip
1.14	Clean CMP		2.92	End ditch clean			0.41	construct drain d	T	1 10	end road widening
				Clean CMP	4.78	Clean CMP	0.47			1.10	Install 24" x 50' CMP
1.32	Clean CMP						0.57				IIISIGII 24 X 30 CIVIF
			2.95	Ditch clean - right		Remove cutslope material	0.66			4 40	construct drain dip
1.10	Begin ditch clean	- left	3.01	Clean CMP	4.91	End remove cutslope	0.00	construct drain d	ib	1.10	construct drain dip
1.12	End ditch clean -	left				material)	0.00	Danie	-1	4.40	Begin road widening
1.19	End ditch clean		3.24	End ditch clean				Begin road wider end rd widening	ning		end road widening
1.41	Clean CMP			Clean CMP	4.94	Clean CMP	0.71	ena ra wiaening		1.24	end road widening
							0.74	Begin road wider		4 24	construct drain dip
1.46	Ditch clean		3.27	Beg ditch clean - right	5.21	Clean CMP	0.74	construct drain d		1.41	construct drain dip
1.4B	End ditch clean					EOP	0.00	end road widenir			construct drain dip
1.48	Clean CMP		3.38	End ditch clean			0.03	construct drain d		1.04	corisoner eraili erb
			3,43	Clean CMP				collander mailt n	ih	4 66	Begin rd widening
1.55	Ditch clean						0.07	spur rð, right			end rd widening
1.58	End ditch clean		3.47	Ditch clean			0.07	ohut in' lifit		1.01	ond to modining
1.59	Clean CMP						V 60	Begin road wider	sine	175	(spur road right)
1.60	Clean CMP			Begin road widening, remove				end road widening		1.75	fohor man liftin
1.69	Clean CMP			h mat'l from cutslope, Cont. ditch		-	0.82	CHO TOZU WIGERII	'Y	1 92	construct drain dip
	Clean CMP		_				0.93	construct drain d	in		construct drain dip
1.75	Ditch clean		3.75	End rd widening			0,35	cottander digit p	ıħ	1.40	Cotton and class cip
1.77	End ditch clean		3.77	Clean CMP			0.04	Begin road wider	nine	1 01	EOP (unit 10)
1.80	Clean CMP		3,87	End ditch clean - right			0.84	fillslope failure, s		1.01	Cor (crist to)
1.83	Clean CMP			-)	cutbank move ro			
1.89	Clean CMP		3.89	Ditch clean - right			1	Semant move to	ad and imple		
2.08	Clean CMP			-			ĺ				
2.23	Clean CMP		3.97	Clean CMP			l				
2.34	Clean CMP		4.08	Clean CMP			ĺ				
2.48	Clean CMP						ĺ				
			4.16	Remove rocks from ditch			ĺ				
							L				

Not To Scale

Okanogan-Wenatchee National Forests

Skywalker T.S.

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Work Descriptions

U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE $\begin{array}{c} R-6 \\ \text{pacific nontherest region} \end{array}$

WENATCHER RIVER RANGER DISTRICT

Road no.: 7510300 BOP notes: BOP is at the int, w/rd 7510. Rd No. 7702 7510270 7510180 Road no.: Road no.: BOP @ int w/FS rd 7702 (rd is currently being used as bike trail) BOP notes: BOP @ int w/7510 BOP @ int w/rd 100, end unit 9 BOP notes: Sta. begins at 1.14 and ends at 0.00 Sta Work Description Work Description Work Description (ml) 0.00 BOP (mi)
1.14 Begin Clearing
Begin roadbed reconditioning
Chance of excess mail from sta. (mi) Work Description 0.00 BOP Begin Clearing
Begin Road Reconditioning
Remove earthen barrier
Install 18" x 50" ditch relief culvert (18" Begin Road Reconditioning Begin clearing Begin clearing
Excess material from excavation shall be hauled to pit on FS Rd 7510, T25N R18E Sec 20 Begin road reconditioning Dispose of excess mai'l from excavation (rd widening) in pit on Excess material from excavation shall be disposed of at pit on FS rd 7510 CMP will run parallel to main rd) w/Catch Basin Begin ditch construct, left ES rd 7510 0.08 Begin road widening, remove slough from cut 0.02 Install 24" CMP x 30 ft w/Catch Basin Widen narrow road end rd widening (excess mat'l shall be blended onto rd) 0.10 0.11 and ditch construct, left 0.79 end rd widening end rd widening, excess mai'l shall be blended onto rd 0.72 begin rd widening 0.02 Begin ditch construct 0.13 begin road widening, remove slough from cut 0.14 end road widening (excess mat'l shall be 0.67 remove boulder 0.04 End ditch construct 0.17 Widen narrow rd 0.22 end rd widening Construct drain die blended onto rd) Construct drain dip 0.24 Widen name rd 0.26 Existing Stream, Install CMP 57 in X 38 in X 30' 0.66 end rd widening 0.36 Begin rd widening, remove slough from cut end rd widening Remove geogrid/cells
Use material adjacent to site for fill material and 0.62 begin rd widening end road widening (excess mat'l shall be blended onto rd) 0.39 headwall rock.

0.37 Construct drain dip 0.30 Widen narrow rd 0.56 remove slaugh end rd widening, excess mat'l shall be 0.32 0.41 Begin rd widening, remove slough from cut blended onto rd 0.39 (Spur rd, right) 0.50 remove boulder 0.42 end road widening (excess mal'i shall be blended onto rd) 0.55 Widen narrow rd 0.51 Existing stream, Install CMP, 57 in X 38 in X 301 0.46 end rd widening 0.62 end rd widening EOP Remove geogrid/ceils. Use material adjacent to site for fill material and headwall rock 0.42 remove slough 0.49 Begin rd widening begin rd widening 0.56 end road widening 0,61 EOP Construct drain dip end rd widening 0.54 Begin road widening 0.57 end road widening 0.62 Construct drain dip Rd No. 7510200 BOP @ int. w/rd 7510 0.30 begin rd widening BOP: 0.28 solid rock area, end rd widening Work Description Work Description 0.71 Construct drain dia 0.25 remove slough, begin rd widening Construct drain dip BOP @ int w/rd 7510 construct drain dip 0.21 end rd widening 0.90 EOP = 30' curve radius, switchhack 0.19 widen rd widen rd Begin clearing Begin cleaning

Begin road reconditioning

Excess math generated from excavation shall be disposed of at pit on FS rd 7510. 0.37 begin remove slough from cut 0.43 construct drain dip 0.11 widen rd Construct. 0.46 end slough removal Ditch 0.00 end project, unit 3 0.02 stream crossing, See Sheet 14 0.52 construct drain dio begin rd widening 0+00 Instal! (excavation+riprap) construct drain dip 18" x 50' CMP FS Rd 7702 spur rd, left construct drain dip 0.73 Begin road widening 0.30 begin remove stough from cut 0.74 construct drain dia BOP, CMP Install Not To Scale end slough removal (excess mat'l shall be blended onto rd) 0.84 construct drain dip 0.90 EOP U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE Okanogan-Wenatches National Forests WENATCHEE RIVER RANGER DISTRICT Not To Scale 16 R-6Work Descriptions

Skywalker T.S.

7704800 BOP @ Int. w/ 7704 Road no. BOP: Road no.: BOP notes: 7704 BOP @ int. w/7803 Sta. Work Description Sta. Work Description Sta. Work Description Sta. Work Description (mi) 0.00 Begin Clearing Begin Road Reconditioning (mi) 1.01 (ml) install CMP, 24" x 30', w/Catch basin 0.00 Begin Roadside brushing 1.117 Begin Ditch clean, right Excess mat'l generated from Begin Road Reconditioning excavation shall be disposed of 1.12 Construct drain dip 1.14 End ditch clean at pit on FS rd 7510. 1.21 Narrow Rd, Begin rd 1.357 Clean CMP Begin Ditch clean, left widening End rd widening 0.02 End ditch clean, left 0.02 Remove earlinen barrier 1.441 Clean CMP 0.21 Construct drain din Construct drain dip 0.21 Begin Ditch clean, left Construct drain dip 1.58 Clean CMP 0.295 end ditch clean 1.28 Narrow Rd, Begin rd Remove boulder from dilch 0.31 Construct drain din Namow Rd, Begin rd widening widening Construct drain dip 0.374 Spur road, left 0.385 Clean CMP 1.67 Begin ditch clean, right 1.707 Clean CMP 0.49 End rd widening End rd widening Construct drain dip 0.53 Install CMP, 24" x 42' 0.49 Clean CMP 1.41 Narrow Rd, Begin rd 1.855 Clean CMP w/Catch basin 0.55 Narrow Rd, Begin rd widening End rd widening 0.65 Clean CMP 2.006 Clean CMP widening 0.59 End rd widening Construct drain dip Narrow Rd, Begin rd Clean CMP 0.748 2.198 Clean CMP 2.214 Clean CMP (large fill, may not be able to reach w/equipment) 0.777 Begin Ditch clean, left widening 1.58 End rd widening 0.60 Narrow Rd, Begin rd 0.786 Reshape drain dip widening 0.64 End rd widening 1.61 remove boulder 0.85 end ditch clean, left 1.62 Narrow Rd, Begin rd 2.51 Clean CMP 2.633 Clean CMP 0.70 Narrow Rd, Begin rd 0.91 Clean CMP widening 0.71 Construct drain dip widening End rd widening 0.917 Begin Ditch clean, right 0.975 End ditch clean, right (cont. ditch clean) 0.74 End rd widening Construct drain din 1.67 Narrow Rd, Begin rd widening Construct drain dip 1.68 2,785 Clean CMP Clean CMP 0.80 Narrow Rd, Begin rd widening Construct drain dip 0.82 End rd widening 1.69 2.85 End ditch clean (0.985 Spur road, right) End rd widening 0.988 Begin Ditch clean, right 1.01 Clean GMP 3.28 Clean CMP EOP 1.78 Narrow Rd, Begin rd widening End rd widening 0.89 Narrow Rd, Begin rd widening
0.93 Construct drain dip
0.95 End rd widening 1.99 1.04 End ditch clean, right Construct drain dip Construct drain dip 2.04 Narrow Rd, Begin rd 0.97 Narrow Rd, Begin rd widening 1.00 End rd widening widening 2.07 EOP

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

7703 BOP approx 200 feet in on

Begin Clearing Begin Road Reconditioning

Work Description

BOP

EOP

Road no.: BOP notes:

county road

sta.

(mi) 0.00

0.56

R-6

WENATCHEE RIVER RANGER DISTRICT

Not To Scale

Okanogan-Wenatchee National Forests

Skywalker T.S.

Work Descriptions

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Road no.: 7800112 BOP notes: BOP, from int. w/7800 travel north on rd 112 apprx.	Road no.: 7800910 BOP notes: BOP @ int w/900 Sta. Work Description	Road no.; 7803600 (cont.)	Road no.: 7803600 (cont.)	Road no.: 7803636 BOP notes: BOP @ int w/600
l.2 mi.	(mi)	Sta. Work Description	Sta. Work Description	Sta. Work Description
Sta. Work Description	0.00 Begin Clearing Begin Road Reconditioning	(mi)	(mi)	(ml)
mi)	excess material generated from	0.724 Reshape drain dip Remove slough mat'l	1.853 Reshape drain dip 1.873 Spur road, right	
.20 BOP	excavation shall be disposed of at plt on FS	from cutsiope	1.89 Reshape drain dip	0.00 BOP
Begin Clearing	rd 7510	0.75 Reshape drain dip	Transaction and the same of th	Begin Clearing Begin Road Reconditioning
Begin Road Reconditioning			1.992 Reshape drain dip	excess material generated from
i.29 Construct drain dip	0.01 (forest bdry) Construct drain dip	0.798 Reshape drain dip		excavation shall be blended onto
I.47 Construct drain dip	0.08 (spur rd left)	0.852 Reshape drain dip	2.035 Reshape drain dip	existing road
1.56 Construct drain dip	0.11 Construct drain dip	0.002 (testape diali) dip	2.162 Reshape drain dip	040 0 4 11 7 11
1.65 Construct drain dip	0.13 Road narrows, begin widening	0.888 Reshape drain dip	2.203 Reshape drain dip	0.13 Construct drain dip
1.67 EOP	0.16 Construct drain dip		• • • • • •	0.16 Construct drain dip
1.67 EOF	0.20 End road widening 0.30 Construct drain dip	0.945 Reshape drain dip	2.36 Reshape drain dip	0.24 Spur road, right
	0.32 (spur road, left)	0.976 Reshape drain dip	2.415 Reshape drain dip	
	0.36 EOP	0.010 Realiago diam dip	2.4 to Resilape dialit dip	0.35 Remove slough from cut
_		1.012 Reshapa drain dip	2.47 Reshape drain dip	Construct drain dip 0.49 EOP @ landing
Road no.: 7800900	Road no.: 7803600	1.064 Reshape drain dip	2.501 Reshape drain dip	
	Sta. Work Description	1.113 Reshape drain dip	2.541 Reshape drain dip	
Sta. Work Description	(mi)	1.273 Reshape drain dip	2.715 Spur road, left	
0.90 BOP @ int. w/910	0.00 BOP/Gate Begin clearing	The Country of the Country of	2.7 to Sput 1040, lest	i
Begin Clearing	Begin road reconditioning	1.337 Reshape drain dip	2.891 Reshape drain dip	
Begin Road Reconditioning	excess material generated from	4 070 0 - 6 1 - 1	•	
Excess material generated from excavation shall be blended onto	excavation shall be blended onto	1.373 Reshape drain dip	2.939 Reshape drain dlp	
existing road	existing road	1,408 Reshape drain dip	3.209 Reshape drain dip	
Chieding road	0.17 (Spur road left)	11100 Hostispo didiri dip	3.209 Resnape diam dip	
0.99 Road narrows, widen road	o.tr (ahni toga leti)	1.491 Reshape drain dip	2.296 Reshape drain dip	
1.08 End road widening	0.109 Reshape drain dip	4 544 Darkara daria dia	-	
1.11 Road narrows, widen road	0.135 Reshape drain dip	1.514 Reshape drain dip	3.337 Reshape drain dip	
1.13 End road widening	0.268 Reshape drain dip	1.62 Reshape drain dip	3.533 Reshape drain dip	
-	0.389 Reshape drain dip 0.431 Reshape drain dip	• •	2220 Izentaba etatti oth	
1.22 Clean existing 18" CMP,	ora i resnape diani dip	1.642 Reshape drain dip	3.725 Reshape drain dip	
inlet (in place)	0.473 Reshape drain dip	175 Dockers designation		Į.
1.42 EOP	0.535 Reshape drain dip	1.75 Reshape drain dip	4.042 Reshape drain dip	
INE LUF	0,552 Reshape drain dip	1.791 Reshape drain dip	4.176 Reshape drain dip	1
	0.593 Reshapa drain dip 0.626 Reshapa drain dip		11170 I tooliapo diam dip	
_	oroso vesuahe disni dih	1.825 Reshape drain dip	4.237 Reshape drain dip	
			4.251 EOP	
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FOREST SERVICE	WENATCHEE RIVER	Not To Scale	National Forests	
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